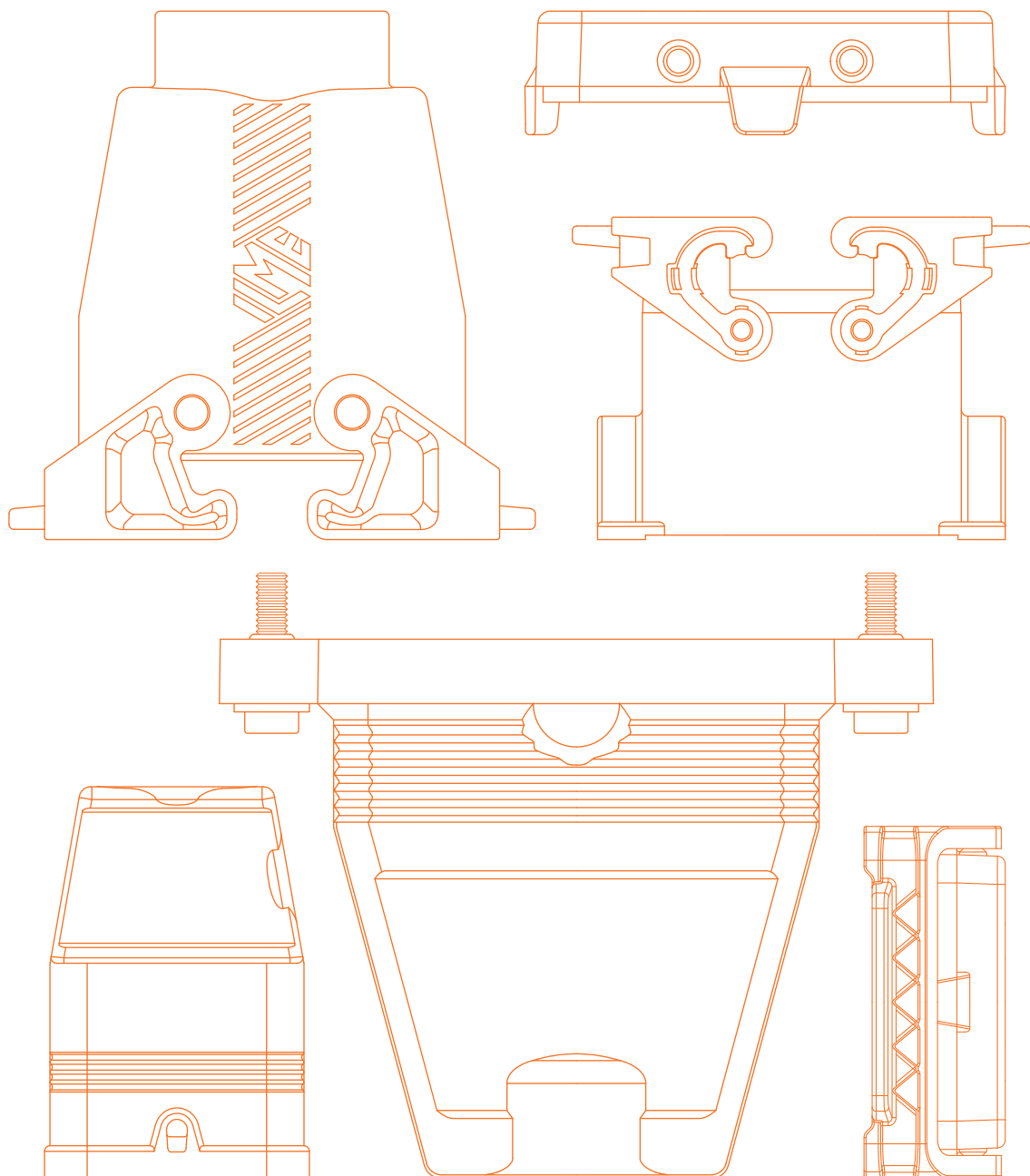


GENERAL CATALOGUE

Enclosures

Contents

	Size 32.13	E.4
	Compact enclosures	
	- CQ / MQ Thermoplastic series	E.6-7
	- CQ / MQ Thermoplastic series – EMC version	E.8-9
	- CQA / MQA Metallic series – EMC version	E.10
	Size 49.16, 66.16 and 66.40	E.12
	Slim enclosures	
	- Slim enclosures with IL-BRID lever	E.14-17
	- Slim enclosures with JEI®-P lever	E.18-19
	- Slim enclosures with C-TYPE lever	E.20-25
	- Slim enclosures with Rigid lever – IP67	E.26-27
	- Slim enclosures – W-TYPE series	E.28-33
	- Slim enclosures – E-Xtreme®	E.34-39
	- Slim enclosures – EMC series	E.40-43
	Size 44.27, 54.27, 77.27, 104.27, 77.62 and 104.62	E.46
	C-TYPE	
	C-TYPE series	E.48-85
	IL-BRID	E.88
	IL-BRID series	E.90-107
	JEI®-P	E.110
	JEI®-P series	E.112-119
	V-TYPE	E.122
	- V-TYPE series – IP67 version	E.124-127
	- V-TYPE series – IP65 / IP66 version	E.128-135
	IP68	E.138
	IP68 high protection series	E.142-149
	W-TYPE	E.152
	- W-TYPE series – V-TYPE lever version	E.154-161
	- W-TYPE series – C-TYPE lever version	E.162-169



GENERAL CATALOGUE

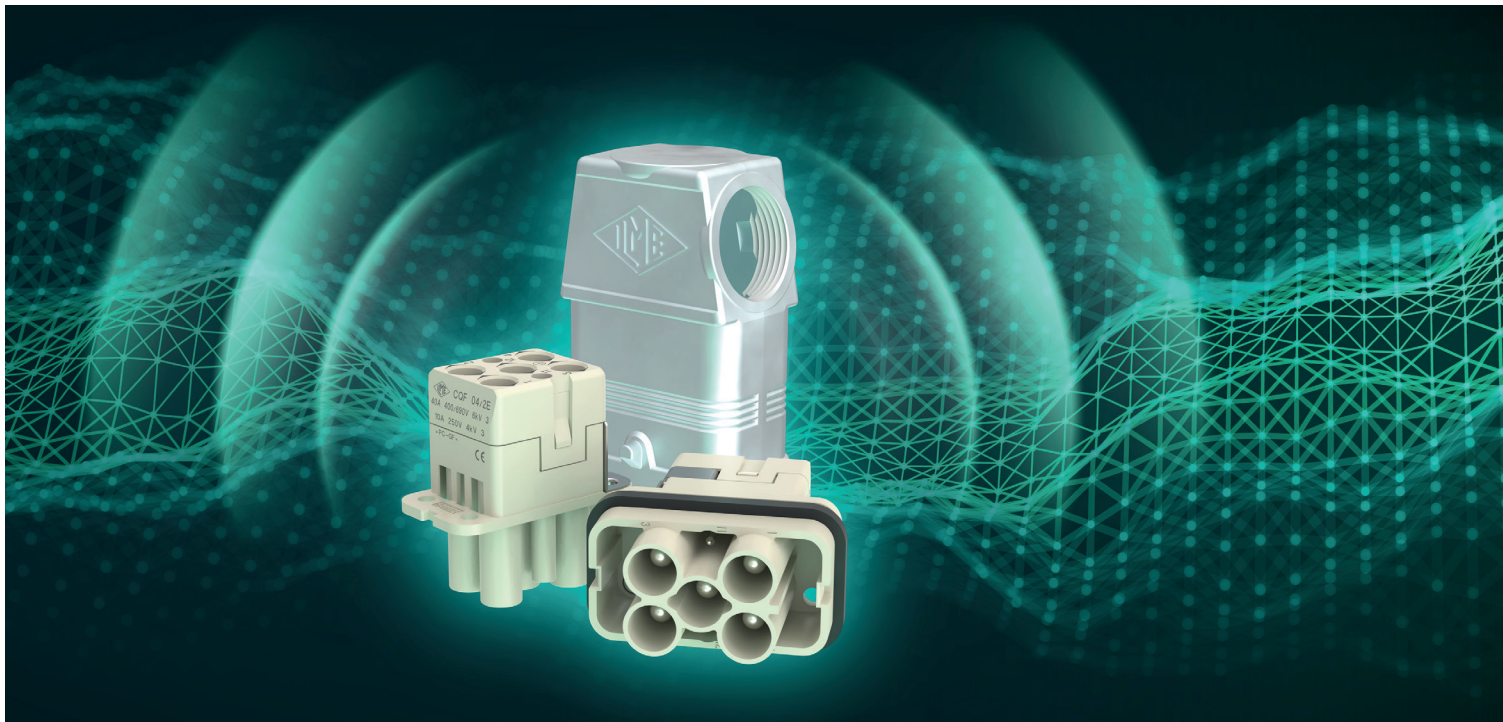
Enclosures

Contents

Size 44.27, 54.27, 77.27, 104.27, 77.62 and 104.62			
	E-Xtreme®		<i>E.172</i>
	- E-Xtreme® – V-TYPE lever version	E.174-181	
	- E-Xtreme® – C-TYPE lever version	E.182-193	
	- E-Xtreme® – IP68 high protection version	E.194-197	
	EMC		<i>E.200</i>
	- EMC series – IL-BRID lever version	E.208-215	
	- EMC series – C-TYPE lever version	E.216-219	
	T-TYPE and T-TYPE/W		<i>E.222</i>
	T-TYPE series – Insulating	E.226-236	
	T-TYPE/H and T-TYPE/C		<i>E.240</i>
	T-TYPE Hygienic series – Food and Beverage	E.244-249	
	CENTRAL LEVER		<i>E.252</i>
	CENTRAL LEVER series	E.254-261	
	BIG		<i>E.264</i>
	BIG series – Multiple cable entries	E.268-279	
	COB		<i>E.282</i>
	COB series – System for switch cabinet	E.286-292	
	LS-TYPE		<i>E.294</i>
	LS-TYPE series – Light and Sound	E.296-303	



Enclosures size 32.13 for standard and EMC applications



Thermoplastic size 32.13 enclosures

The thermoplastic CQ/MQ series enclosures and the equivalent metal CQA/MQA versions offer a compact and easy-to-assemble solution for general use or specific applications.

Once completed and fitted with a suitably rated cable gland or conduit fitting, they ensure an IP66 / IP67 / IP69 degree of protection according to IEC/EN 60529 for outdoor or indoor environments.

Metal CQA / MQA 08 size 32.13 enclosures

The metallic enclosures CQA/MQA size 32.13 have been developed with utmost ease of assembly and simplicity.

These zinc alloy, zinc-plated die-cast enclosures are particularly suitable for demanding EMC applications, ensuring the necessary shielding from electromagnetic interference that the 32.13 connector inserts typically require in pulse width modulation (PWM) drives (inverters) for electric motors' speed or torque motion control.

Being metallic, the CQA/MQA metal enclosures require proper bonding to protective earth (PE) for safety reasons and must be paired with the relevant CQ inserts equipped with PE plate (CQ 04/2E, CQ 08E and CQY 08E).



SUM-UP

CQ – MQ series

- > Thermoplastic material, jet black RAL 9005.
- > Single-block locking lever in self-extinguishing thermoplastic material.
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel-resistant NBR vinyl nitrile elastomer.

CQS – MQS series (EMC)

- > Made in self-extinguishing thermoplastic material, metallized.
- > Single-block locking lever in self-extinguishing thermoplastic material.
- > EMC conductive sealing gaskets on the housing versions; CR 08 EMC conductive gasket to replace the standard gasket provided on the male insert.

CQA – MQA series (EMC)

- > Made in metal, zinc-alloy die cast, zinc-plated.
- > Single-block stainless steel locking lever.
- > O-Ring gaskets in anti-aging, oil-resistant, grease-resistant and fuel-resistant NBR vinyl nitrile elastomer.
- > Optional CR 08 EMC gasket to replace the standard gasket provided on the male inserts, ideal for EMC applications.
- > Compatible with standard and EMC complete cable glands up to M25.

✓ Markings and Approvals

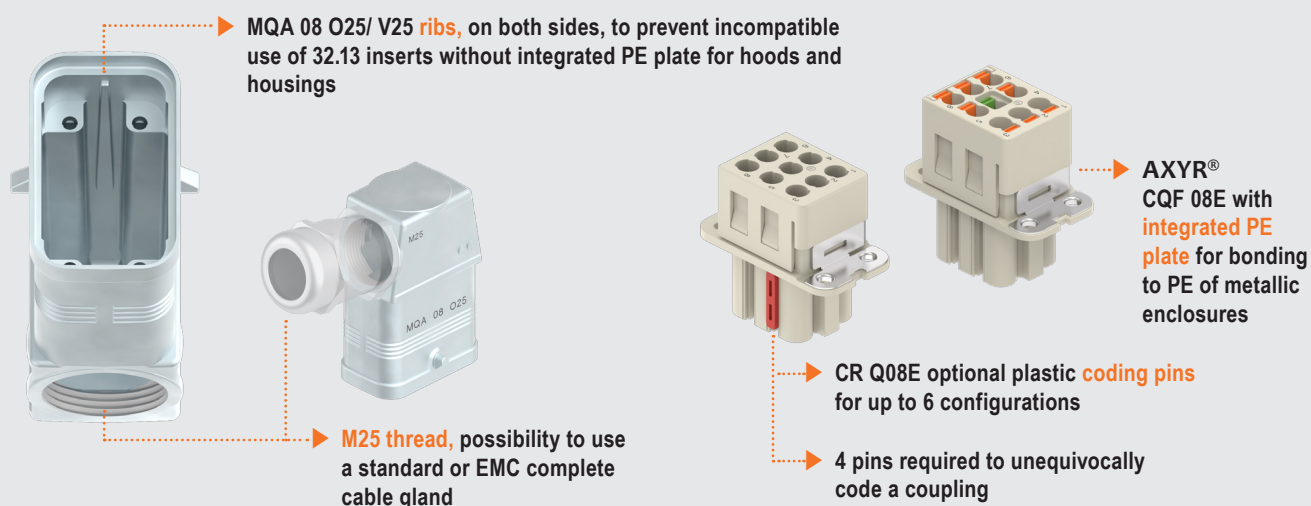
- CE and UKCA markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP66 / IP67 / IP69 degree of protection
- RoHS: compliant

CQ / MQ

E

FOCUS

Metal enclosures' technology





CQ / MQ Thermoplastic series

Housings and hoods – 1 lever

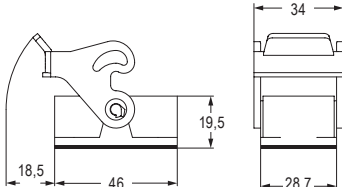
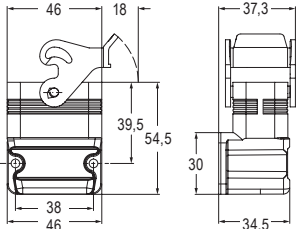
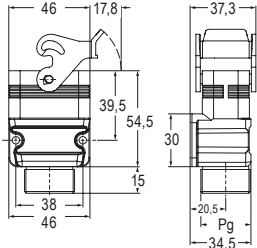
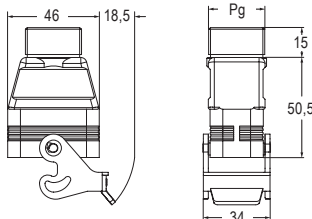
size **32.13****Heavy-Duty
Applications**

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever	CQ 08 I		
	Angled bulkhead mounting housings, 1 lever	CQ 08 IA		
	Angled bulkhead mounting housings, 1 lever, with cable entry Pg male thread on the outside of the housing	CQ 08 IAP	Pg 21	
	Hoods, 1 lever, top entry Pg male thread on the outside of the hood	CQ 08 VG	Pg 21	

Inserts size 32.13		Poles	Pages
CQ	40 A/10 A	4/2 (aux.) + ⊕	B.6-8
CQ \ CQY	16 A	8 + ⊕	B.9-11
CQ	10 A	17 + ⊕	B.12

Accessories:

CRQ 16, CRQ 21
Semi cable gland with gasket
for CQ enclosures
Page E.9

CQ / MQ Thermoplastic series

Hoods and covers – 2 pegs

size **32.13**Heavy-Duty
Applications

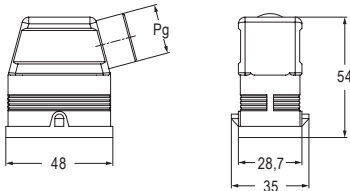
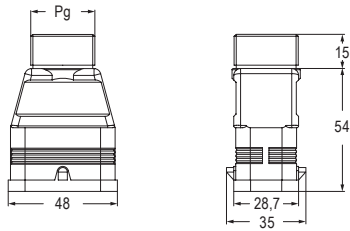
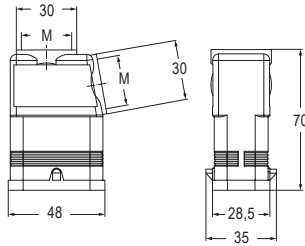
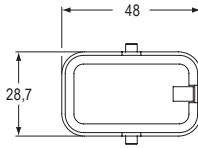
CE UK



EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 2 pegs, side entry Pg male thread on the outside of the hood	CQ 08 VA	Pg 16	
	Hoods, 2 pegs, top entry Pg male thread on the outside of the hood	CQ 08 V	Pg 21	
	Hoods, 2 pegs, side and top entries	MQ 08 VO225	M25 × 2	
	Covers, 2 pegs For enclosures with 1 lever	For female inserts CQ 08 C For male inserts CQ 08 CA		

Inserts size 32.13	Poles	Pages
CQ	40 A/10 A	4/2 (aux.) + ⊕ B.6-8
CQ \ CQY	16 A	8 + ⊕ B.9-11
CQ	10 A	17 + ⊕ B.12

Accessories:



CRQ 16, CRQ 21
Semi cable gland with gasket
for CQ enclosures
Page E.9

CQ / MQ Thermoplastic series – EMC version

size **32.13**

Housings and hoods – 1 lever

Specialized
Applications



Heavy-Duty
Applications



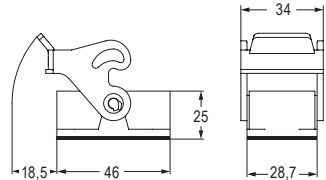
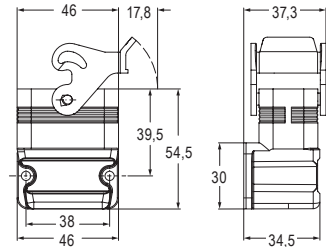
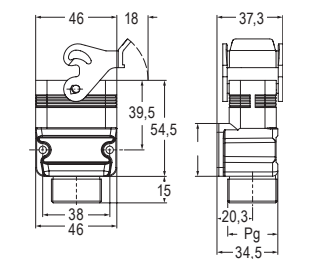
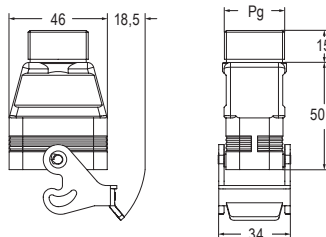
EN 60529	IP66 / IP67
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



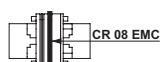
CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever	CQS 08 I		
	Angled bulkhead mounting housings, 1 lever	CQS 08 IA		
	Angled bulkhead mounting housings, 1 lever, with cable entry Pg male thread on the outside of the housing	CQS 08 IAP	Pg 21	
	Hoods, 1 lever, top entry Pg male thread on the outside of the hood	CQS 08 VG	Pg 21	

Inserts size 32.13		Poles	Pages
CQ	40 A/10 A	4/2 (aux.) + ⊕	B.6-8
CQ \ CQY	16 A	8 + ⊕	B.9-11
CQ	10 A	17 + ⊕	B.12

Note: When using an EMC "CQS 08" series enclosure with a male insert, replace the standard gasket provided on the male insert with a conductive gasket CR 08 EMC, to be ordered separately.



CQ / MQ Thermoplastic series – EMC version

size **32.13**

Hoods – 2 pegs

Specialized
ApplicationsHeavy-Duty
Applications

EN 60529	IP66 / IP67
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 2 pegs, side or top entry	Side Entry	Top Entry	
	Pg male thread on the outside of the hood	CQS 08 VA	CQS 08 V	

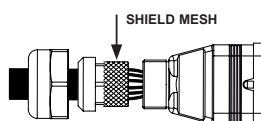
	Hoods, 2 pegs, side and top entries	MQS 08 VO225	M25 × 2	
--	-------------------------------------	---------------------	---------	--

	Conductive gaskets for CQM male inserts	CR 08 EMC		
--	---	---------------------------	--	--

	Thermoplastic resin cable glands	For CQS 08 VA		
	for cable diameters: 10 - 14,5 mm 4 - 7 mm 7 - 14,5 mm	CRQ 16 CRQ 16-1 CRQ 16-2		
	for cable diameters: 14 - 18 mm 7 - 18 mm 10 - 18 mm 17,5 - 20,5 mm	For CQS 08 V, VG and IAP CRQ 21 CRQ 21-1 CRQ 21-2 CRQ 21-3		

ASSEMBLY INSTRUCTIONS

Place the cable shield mesh between the CRQ cable gland gasket and the seat of the gasket itself.

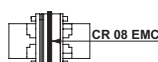


Part No.	A	B	C	D	E	Ø	Ch
CRQ 16, 16-1, 16-2	15,5	21,5	20,3	13,5	6,8	21	27
CRQ 21	18,2	27,5	25	15,5	9	26,5	33
CRQ 21-1	18,2	27,5	25	16	9	26,5	33
CRQ 21-2	18,2	27,5	25	16	9	26,5	33
CRQ 21-3	22	22	9	—	9	26,5	33

Inserts size 32.13

	Poles	Pages
CQ	40 A/10 A	B.6-8
CQ \ CQY	16 A	B.9-11
CQ	10 A	B.12

Note: When using an EMC "CQS 08" series enclosure with a male insert, replace the standard gasket provided on the male insert with a conductive gasket CR 08 EMC, to be ordered separately.



CQA / MQA Metallic series – EMC version

size **32.13**

Housings and hoods – 1 lever – 2 pegs

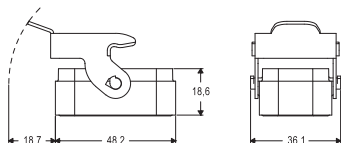
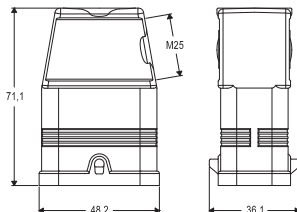
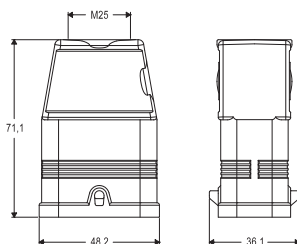
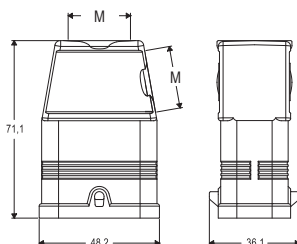
Specialized
ApplicationsHeavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK

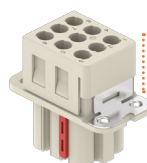


ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever	CQA 08 I		
	Hoods, 2 pegs, side entry To be used only with a complete cable gland	MQA 08 Q25	M25	
	Hoods, 2 pegs, top entry To be used only with a complete cable gland	MQA 08 V25	M25	
	Hoods, 2 pegs, side and top entries To be used only with a complete cable gland on one entry and a plug on the other entry	MQA 08 VO220 MQA 08 VO225	M20 × 2 M25 × 2	

Inserts size 32.13		Poles	Pages
CQ	40 A/10 A	4/2 (aux.) + ⊕	B.6-8
CQ \ CQY	16 A	8 + ⊕	B.9-11

Note: Enclosures coded for use with
32.13 PE inserts only.



Integrated
PE plate
for bonding
to PE
of metallic
enclosures

Panel cut-out drawings

For size 32.13 series bulkhead mounting housings

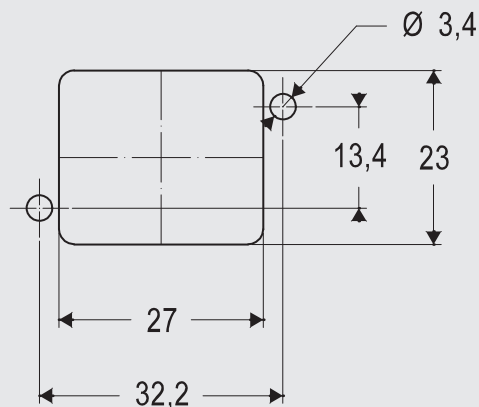
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

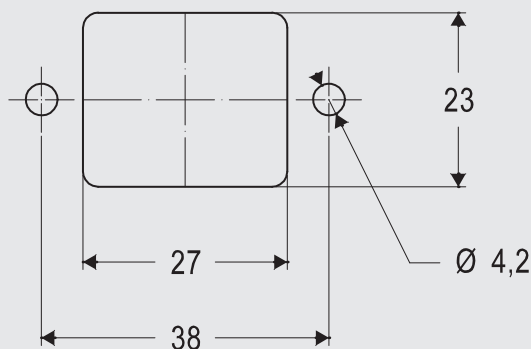
Scale 1:1

Size 32.13 Bulkhead mounting housings



Required screws: 2
Screws size: M3
Recommended torque:
0,8 – 1,0 Nm / 7.1 – 8.9 lb.in

Size 32.13 Angled bulkhead mounting housings



Required screws: 2
Screws size: M4
Recommended torque:
0,8 – 1,0 Nm / 7.1 – 8.9 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



Slim enclosures

size 49.16, 66.16 and 66.40



Slim-size enclosures

Slim-size enclosures offer a practical compromise between compactness and connection density for heavy-duty industrial applications.

The product range is identified by its distinctive sizes: 49.16 and 66.16 for a single insert layout and 66.40 for a double insert layout.

Slim-size enclosures have an IL-BRID locking device that combines the thermoplastic material's smoothness with the stainless steel's sturdiness.

Available for aggressive environments in W-TYPE, E-Xtreme® or EMC versions.



**Simplex
self
closing
cover
available
version**

⇒ Markings and Approvals

- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP67 / IP69 degree of protection
- RoHS: compliant

SUM-UP

Heavy-Duty Applications

- > Made of die cast aluminium alloy with epoxy-polyester powder coating, grey RAL 7040.
- > Single-block locking lever in IL-BRID, Rigid, JEI®-P and C-TYPE version.
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel-resistant NBR vinyl nitrile elastomer.

Aggressive Environments

- > Made of die cast aluminium alloy.
- > W-TYPE version with chromate conversion coating, RoHS 2 conform and epoxy-polyester powder coating, black RAL 9001.
- > E-Xtreme® version with patented treatment under the coating, dark grey RAL 7016, for maximum resistance against corrosion.
- > Gaskets in anti-aging FKM fluoroelastomer

Specialized Applications (EMC)

- > Made of die cast aluminium alloy.
- > Single-block stainless steel rigid locking lever.
- > Conductive gaskets in EMI/RFI rubber material, ideal for EMC applications.

FOCUS

Levers and technology



IL-BRID

Combined performance

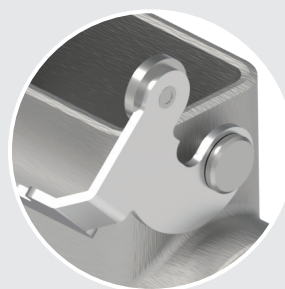
Through its original design, the IL-BRID locking lever for slim housings combines the flexibility of thermoplastic material with the resilience of stainless steel, reducing the wear on the hood pegs and improving the overall performance of the connection.



JEI®-P

Thermoplastic locking lever

Single-block locking lever in self-extinguishing thermoplastic material with enhanced ergonomics and reduced dimension, ideal for basic requirements and less demanding environments.



CZ7 – Rigid lever

Rigid locking lever in stainless steel

In case of harsh installation conditions and to achieve IP66/IP67/IP69 degrees of protection, the rigid lever is available for slim enclosures and is equipped as standard in W-TYPE and EMC slim housings.

Slim enclosures with IL-BRID lever

Housings, hoods and covers – 1 lever

size **49.16**
**Heavy-Duty
Applications**


CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket, with or without metal cover or SIMPLEX self-closing plastic cover	CZI 15 L	CZI 15 LS SIMPLEX cover CZI 15 LSP		
	Surface mounting housings, 1 lever, without gasket, with or without metal cover	MZP 15 L25 MZP 15 L225 CZP 15 L CZP 15 L2 CZP 15 L21 CZP 15 L221	MZP 15 LS25 MZP 15 LS225 CZP 15 LS CZP 15 LS2 CZP 15 LS21 CZP 15 LS221	M25 M25 × 2 Pg 16 Pg 16 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 1 lever, without gasket, with SIMPLEX self-closing plastic cover	MZP 15 LSP20 MZP 15 LSP25 CZP 15 LSP16 CZP 15 LSP21		M20 M25 Pg 16 Pg 21	
	Hoods, 1 lever, without gasket, top entry	MZV 15 LG20 CZV 15 LG		M20 Pg 13,5	
	Covers, 1 lever, without gasket - with loop	CZC 15 LG			

Inserts size 49.16		Poles	Pages
CDA	16 A	10 + ⊕	B.16
CDC	16 A	10 + ⊕	B.19
CSAH	16 A	10 + ⊕	B.24
CD	10 A	15 + ⊕	B.30

MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 01 T (1-slot sized MIXO frames)		C.94

Notes:

The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

Enclosures with SIMPLEX self-closing cover ensure IP44 degree of protection when not mated and locked with lever.

Slim enclosures with IL-BRID lever

size **49.16**

Hoods and covers – 2 pegs

Heavy-Duty
Applications

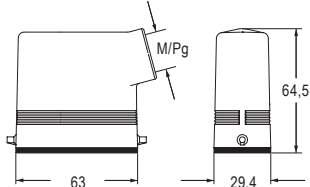
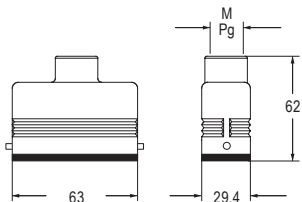
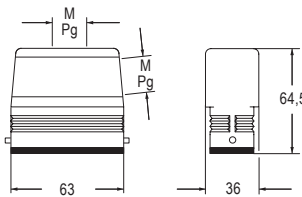
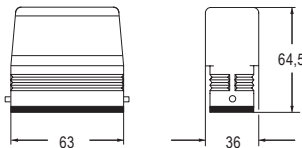
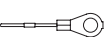
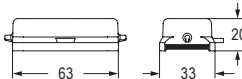
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, with gasket, side entry	MZO 15 L20 MZO 15 L25 CZO 15 L		M20 M25 Pg 16	
	Hoods, 2 pegs, with gasket, top entry		MZV 15 L20 CZV 15 L	M20 Pg 13,5	
 	Hoods, 2 pegs, with gasket, side or top entry, high construction To be used only with a complete cable gland	MZFO 15 L20 MZFO 15 L25 CZFO 15 L16 CZFO 15 L21	MZFV 15 L20 MZFV 15 L25 CZFV 15 L16 CZFV 15 L21	M20 M25 Pg 16 Pg 21	
	Hoods, 2 pegs, with gasket, high construction, designed to be drilled	Without entry CZAC 15 L			
	Covers, 2 pegs, with gasket - with loop  - or eyelet 	With loop CZC 15 SL	With eyelet CZC 15 L		

Inserts size 49.16		Poles	Pages
CDA	16 A	10 + ⊕	B.16
CDC	16 A	10 + ⊕	B.19
CSAH	16 A	10 + ⊕	B.24
CD	10 A	15 + ⊕	B.30

MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 01 T (1-slot sized MIXO frames)		C.94

Slim enclosures with IL-BRID lever

Housings, hoods and covers – 1 lever

size **66.16**Heavy-Duty
Applications

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket, with or without metal cover or SIMPLEX self-closing plastic cover	CZI 25 L	CZI 25 LS SIMPLEX cover CZI 25 LSP		
	Surface mounting housings, 1 lever, without gasket, with or without metal cover, high construction	MZAP 25 L25 MZAP 25 L225 CZAP 25 L CZAP 25 L2 CZAP 25 L21 CZAP 25 L221	MZAP 25 LS25 MZAP 25LS225 CZAP 25 LS CZAP 25 LS2 CZAP 25 LS21 CZAP 25LS221	M25 M25 × 2 Pg 16 Pg 16 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 1 lever, without gasket, with SIMPLEX self-closing plastic cover, high construction	MZAP 25LSP20 MZAP 25LSP25 CZAP 25LSP16 CZAP 25LSP21		M20 M25 Pg 16 Pg 21	
	Hoods, 1 lever, without gasket, top entry To be used only with a complete cable gland	MZV 25 LG20 CZV 25 LG		M20 Pg 16	
	Covers, 1 lever, without gasket For enclosures with 2 pegs and gasket with loop for hoods	CZC 25 LG			

Inserts size 66.16	Poles	Pages
CDA 16 A	16 + ⊕	B.17
CDC 16 A	16 + ⊕	B.20
CSAH 16 A	16 + ⊕	B.25
CD 10 A	25 + ⊕	B.31
CDD 10 A	38 + ⊕	B.33

Notes:

The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

Enclosures with SIMPLEX self-closing cover ensure IP44 degree of protection when not mated and locked with lever.

Slim enclosures with IL-BRID lever

size **66.16**

Hoods and covers – 2 pegs

**Heavy-Duty
Applications**

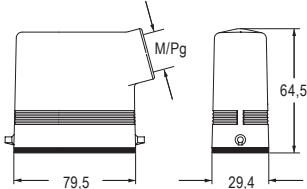
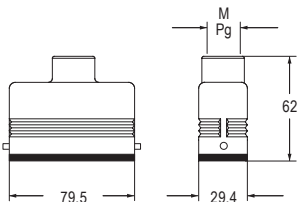
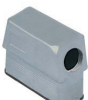
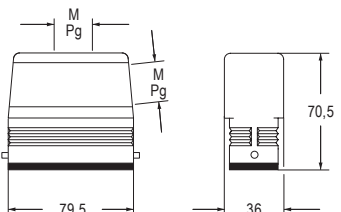
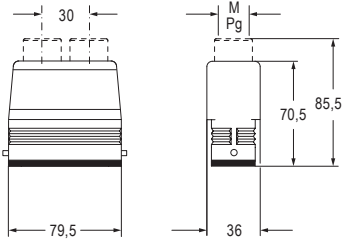
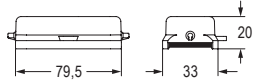

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, with gasket, side entry	MZO 25 L20 MZO 25 L25 CZO 25 L		M20 M25 Pg 16	
	Hoods, 2 pegs, with gasket, top entry To be used only with a complete cable gland		MZV 25 L20 CZV 25 L	M20 Pg 16	
 	Hoods, 2 pegs, with gasket, side or top entry, high construction To be used only with a complete cable gland	MZFO 25 L20 MZFO 25 L25 CZFO 25 L16 CZFO 25 L21	MZV 25 L20 MZV 25 L25 CZV 25 L16 CZV 25 L21	M20 M25 Pg 16 Pg 21	
 	Hoods, 2 pegs, with gasket, 2 top entries, high construction To be used only with complete cable glands Hoods, 2 pegs, with gasket, high construction, designed to be drilled		MZV 25 L220 CZV 25 L216	M20 × 2 Pg 16 × 2	
	Covers, 2 pegs, with gasket For enclosures with 1 lever without gasket with loop for hoods  or with eyelet for housings 	With loop CZC 25 SL	With eyelet CZC 25 L		

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Slim enclosures with JEI®-P lever

size **49.16**

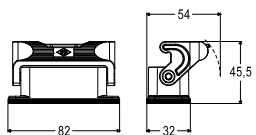
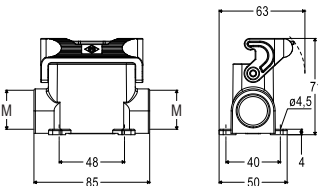
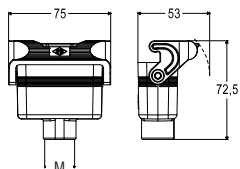
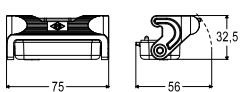
Housings and hoods – 1 lever

Heavy-Duty
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



CIRIUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket	JPI 15 L		
	Surface mounting housings, 1 lever, without gasket	JMPP 15 L25 JMPP 15 L225	M25 M25 × 2	
	Hoods, 1 lever, without gasket, top entry	JMPV 15 LG20	M20	
	Cover, 1 lever, without gasket	JPC 15 LG		
	For enclosures with 2 pegs and gasket with loop for hoods			

Inserts size 49.16	Poles	Pages
CDA 16 A	10 + ☉	B.16
CDC 16 A	10 + ☉	B.19
CSAH 16 A	10 + ☉	B.24
CD 10 A	15 + ☉	B.30

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 01 T (1-slot sized MIXO frames)	C.94

Complete with:

**Hoods**
Page E.15**Covers**
Page E.15

Slim enclosures with JEI®-P lever

Housings and hoods – 1 lever

size **66.16**Heavy-Duty
Applications

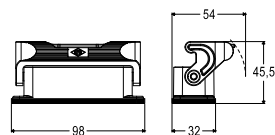
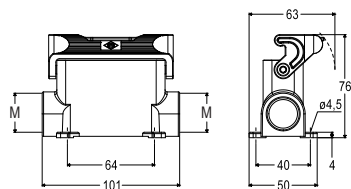
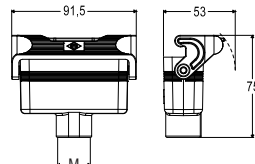
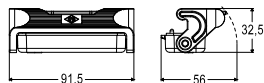
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket	JPI 25 L		
	Surface mounting housings, 1 lever, without gasket	JMPP 25 L25 JMPP 25 L225	M25 M25 × 2	
	Hoods, 1 lever, without gasket, top entry	JMPV 25 LG20	M20	
	Cover, 1 lever, without gasket	JPC 25 LG		
	For enclosures with 2 pegs and gasket with loop for hoods 			

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Complete with:

Hoods
Page E.17Covers
Page E.17

Slim enclosures with C-TYPE lever

Housings, hoods and covers – 2 levers

size **66.40**
**Heavy-Duty
Applications**

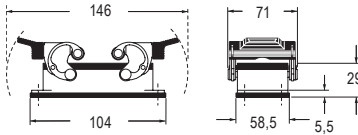
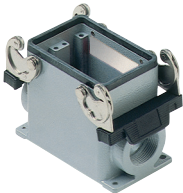
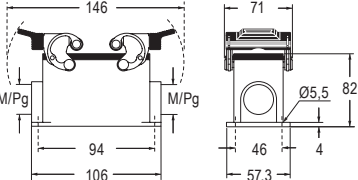
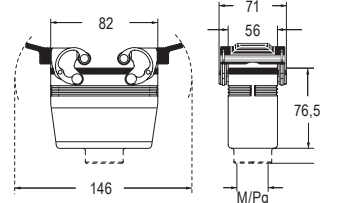
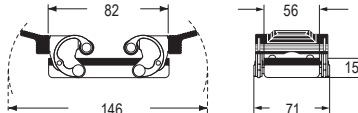

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHI 50		
	Surface mounting housings, 2 levers and gasket	MHP 50.32 MHP 50.232 MHP 50.40 MHP 50.240 CHP 50.21 CHP 50.221 CHP 50.29 CHP 50.229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 2 levers and gasket, top entry To be used only with a complete cable gland	MFV 50 G32 CFV 50 G29	M32 Pg 29	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHC 50 G		

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures with C-TYPE lever

size **66.40**

Hoods and covers – 4 pegs

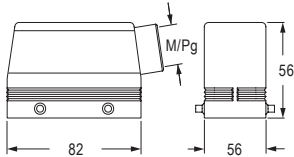
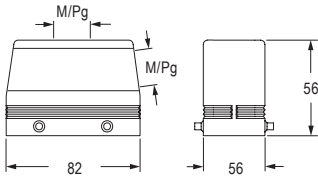
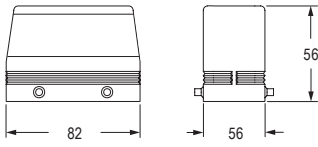
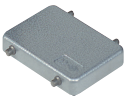
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs without gasket, side entry	MHO 50.25 MHO 50.32 CHO 50		M25 M32 Pg 21	
	Hoods, 4 pegs without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 50.25 MFO 50.32 CFO 50.21 CFO 50.29	MFV 50.25 MFV 50.32 CFV 50.21 CFV 50.29	M25 M32 Pg 21 Pg 29	
	Hoods, 4 pegs without gasket, high construction, designed to be drilled	Without entry CAC 50			
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHC 50 S	With eyelet CHC 50		

C-TYPE

E

Inserts size (66.16) × 2	Poles 	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures with C-TYPE lever

Housings – 4 pegs

size **66.40**
**Heavy-Duty
Applications**


CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 4 pegs and gasket, with metal cover		CHI 50 CS		
	Surface mounting housings, 4 pegs and gasket, with metal cover		MHP 50 CS32 MHP 50 LS232 MHP 50 LS40 MHP 50 LS240 CHP 50 LS21 CHP 50 LS221 CHP 50 LS29 CHP 50 LS229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures with C-TYPE lever

size **66.40**

Hoods – 2 levers

Heavy-Duty
Applications

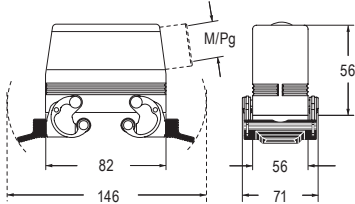
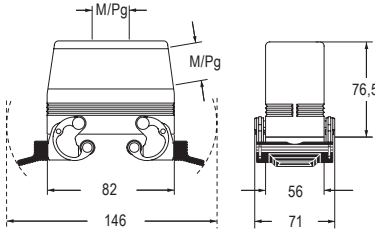
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry To be used only with a complete cable gland	MHO 50 X25 MHO 50 X32 CHO 50 X		M25 M32 Pg 21	
 	Hoods, 2 levers, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 50 X25 MFO 50 X32 CFO 50 X CFO 50 X29	MFV 50 X25 MFV 50 X32 CFV 50 X CFV 50 X29	M25 M32 Pg 21 Pg 29	

C-TYPE

E

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures with full metal C-TYPE lever

size **66.40**

Housings, hoods and covers – 2 levers

Heavy-Duty
Applications

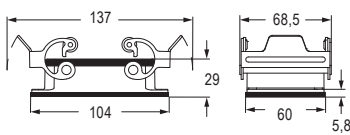
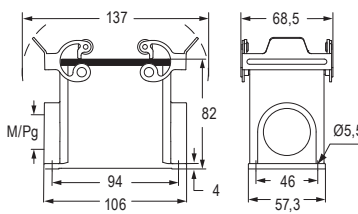
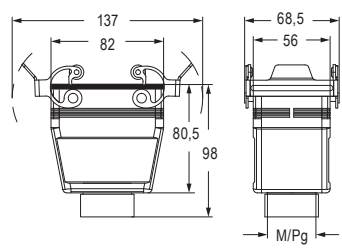
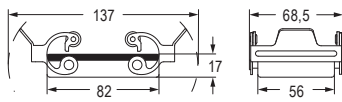
CE UK



EN 60529	IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 2 full metal locking levers and gasket	CHIX 50			
	Surface mounting housings, 2 full metal locking levers and gasket	MHPX 50.32 CHPX 50.21 CHPX 50.29		M32 Pg 21 Pg 29	
	Hoods, 2 full metal locking levers and gasket, top entry, with metal adapter	MAVX 50 G32 CAVX 50 G29		M32 Pg 29	
	Covers, with 2 full metal locking levers and gasket For enclosures with 4 pegs without gasket	CHCX 50 G			

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures with full metal C-TYPE lever

size **66.40**

Housings – 2 levers

Heavy-Duty
Applications

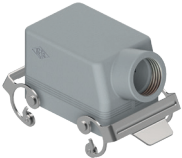
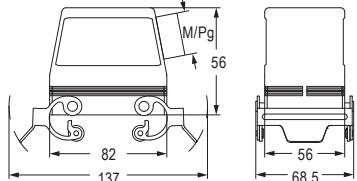
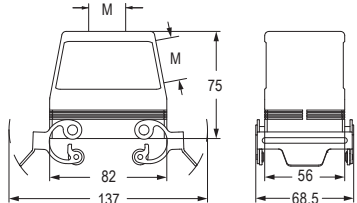
CE UK



EN 60529	IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top Entry	Entry	Dimension
	Hoods, 2 full metal locking levers, without gasket, side entry	MHOX 50 X32 CHOX 50 X		M32 Pg 21	
 	Hoods, 2 full metal locking levers, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOX 50 X32	MFVX 50 X32	M32	

Inserts size (66.16) × 2	Poles	Pages
CDA	16 A	32 + ☺ B.18
CDC	16 A	32 + ☺ B.21
CSAH	16 A	32 + ☺ B.26
CD	10 A	50 + ☺ B.32
CDD	10 A	76 + ☺ B.34

Slim enclosures – Rigid lever – IP67

Housings and covers – 1 lever

size **49.16**
**Heavy-Duty
Applications**

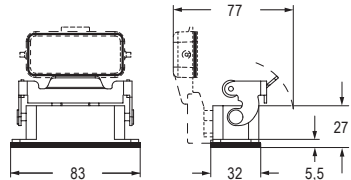
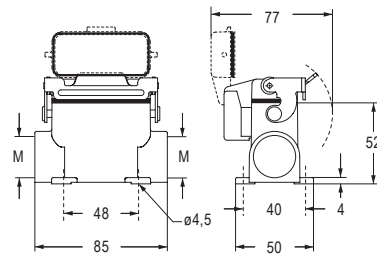
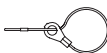
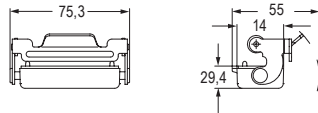

CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 stainless steel rigid lever, without gasket, with or without metal cover	CZ7I 15 L	CZ7I 15 LS		
	Surface mounting housings, 1 stainless steel rigid lever, without gasket, with or without metal cover	MZ7P 15 L25 MZ7P 15 L225	MZ7P 15 LS25 MZ7P 15LS225	M25 M25 × 2	
	Cover, 1 stainless steel rigid lever, without gasket Covers cannot be used together with metal coding pins For enclosures with 2 pegs and gasket with loop for hoods 	CZ7C 15 LG			

Inserts size 49.16		Poles	Pages
CDA	16 A	10 + ☉	B.16
CDC	16 A	10 + ☉	B.19
CSAH	16 A	10 + ☉	B.24
CD	10 A	15 + ☉	B.30

MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 01 T (1-slot sized MIXO frames)		C.94

Note:

The rigid lever offers an IP66/IP67/IP69 degree of protection (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adapter).

Complete with:

Hoods
Page E.15

Covers
Page E.15

Slim enclosures – Rigid lever – IP67

Housings and covers – 1 lever

size **66.16**Heavy-Duty
Applications

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 stainless steel rigid lever, without gasket, with or without metal cover	CZ7L 25 L	CZ7L 25 LS		
	Surface mounting housings, 1 stainless steel rigid lever, without gasket, with or without metal cover	MZ7P 25 L25 MZ7P 25 L225	MZ7P 25 LS25 MZ7P 25LS225	M25 M25 × 2	
	Cover, 1 stainless steel rigid lever, without gasket Covers cannot be used together with metal coding pins For enclosures with 2 pegs and gasket with loop for hoods	CZ7C 25 LG			

CZ7 / MZ7

E

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Note:

The rigid lever offers an IP66/IP67/IP69 degree of protection (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adapter).

Complete with:
Hoods
Page E.17

Covers
Page E.17

Slim enclosures – W-TYPE series

Housings and covers – 1 lever

size **49.16**Aggressive
Environments

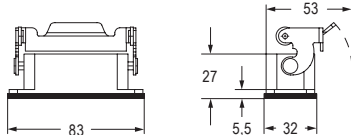
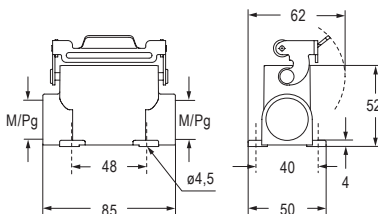
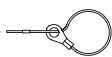
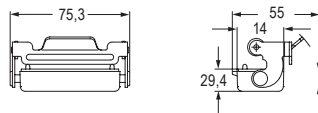
CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 stainless steel rigid lever, without gasket	CZ7IW 15 L		
	Surface mounting housings, 1 stainless steel rigid lever, without gasket	MZ7PW 15L225 CZ7PW 15 L2	M25 × 2 Pg 16 × 2	
	Cover, 1 stainless steel rigid lever, without gasket Covers cannot be used together with metal coding pins For enclosures with 2 pegs and gasket with loop for hoods 	CZ7CW 15 LG		

W-TYPE

E

Inserts size 49.16	Poles	Pages
CDA 16 A	10 + ☉	B.16
CDC 16 A	10 + ☉	B.19
CSAH 16 A	10 + ☉	B.24
CD 10 A	15 + ☉	B.30

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 01 T (1-slot sized MIXO frames)	C.94

Slim enclosures – W-TYPE series

size **49.16**

Hoods and covers– 2 pegs

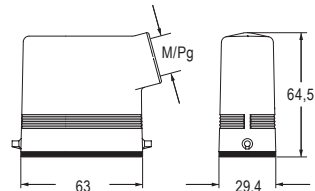
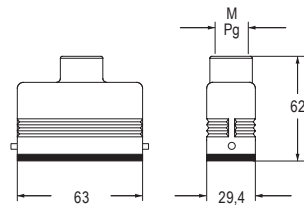
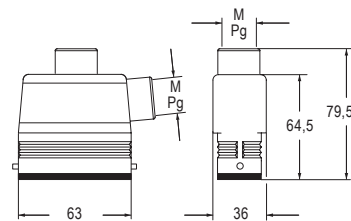
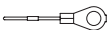
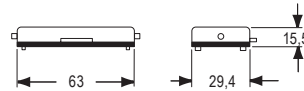
**Aggressive
Environments**

CE UK


EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, with gasket, side entry	MZOW 15 L20 MZOW 15 L25 CZOW 15 L		M20 M25 Pg 16	
	Hoods, 2 pegs, with gasket, top entry		MZVW 15 L20 CZVW 15 L	M20 Pg 13,5	
	Hoods, 2 pegs, with gasket, side or top entry, high construction, with metal adapter	MZAOW 15 L25 CZAOW 15 L21	MZAVW 15 L25 CZAVW 15 L21	M25 Pg 21	
	Cover, 2 pegs and gasket Covers cannot be used together with metal coding pins For enclosures with 1 lever without gasket with eyelet for housings 		With eyelet CZCW 15 L		

W-TYPE

E

Inserts size 49.16		Poles	Pages
CDA	16 A	10 + ⊕	B.16
CDC	16 A	10 + ⊕	B.19
CSAH	16 A	10 + ⊕	B.24
CD	10 A	15 + ⊕	B.30

MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 01 T (1-slot sized MIXO frames)		C.94

Slim enclosures – W-TYPE series

Housings and covers – 1 lever

size **66.16**Aggressive
Environments

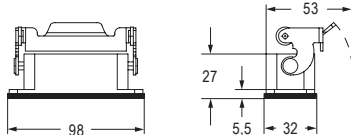
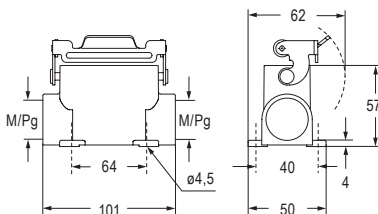
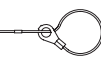
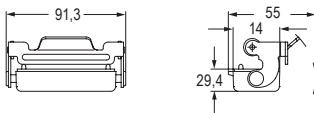
CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 stainless steel rigid lever, without gasket	CZ7IW 25 L		
	Surface mounting housings, 1 stainless steel rigid lever, without gasket	MZ7PW 25L225 CZ7PW 25 L2	M25 × 2 Pg 16 × 2	
	Cover, 1 stainless steel rigid lever, without gasket Covers cannot be used together with metal coding pins For enclosures with 2 pegs and gasket with loop for hoods 	CZ7CW 25 LG		

W-TYPE

E

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Slim enclosures – W-TYPE series

size **66.16**

Hoods and covers– 2 pegs

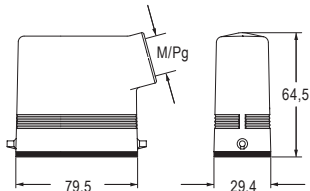
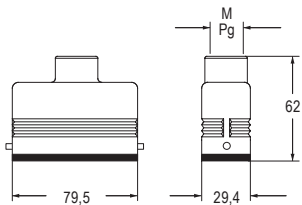
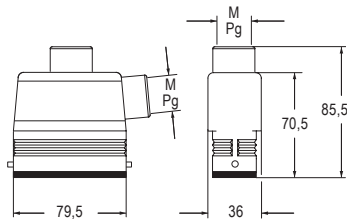
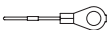
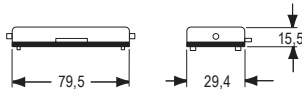
**Aggressive
Environments**

CE UK


EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, with gasket, side entry	MZOW 25 L20 MZOW 25 L25 CZOW 25 L		M20 M25 Pg 16	
	Hoods, 2 pegs, with gasket, top entry To be used only with a complete cable gland		MZVW 25 L20 CZVW 25 L	M20 Pg 16	
	Hoods, 2 pegs, with gasket, side or top entry, high construction, with metal adapter	MZAOW 25 L25 CZAOW 25 L21	MZAVW 25 L25 CZAVW 25 L21	M25 Pg 21	
	Cover, 2 pegs and gasket Covers cannot be used together with metal coding pins For enclosures with 1 lever without gasket with eyelet for housings 		With eyelet CZCW 25 L		

W-TYPE

E

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Slim enclosures – W-TYPE series

Housings and covers – 2 levers

Hoods and covers – 4 pegs

size **66.40**

Aggressive
Environments



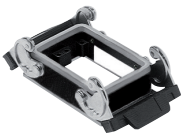
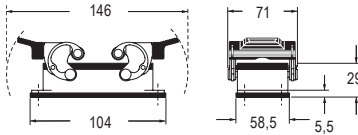
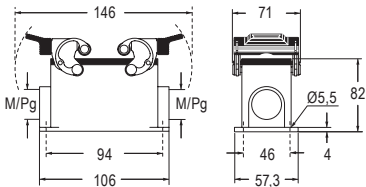
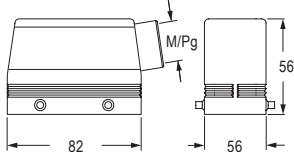
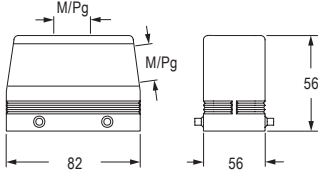
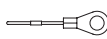
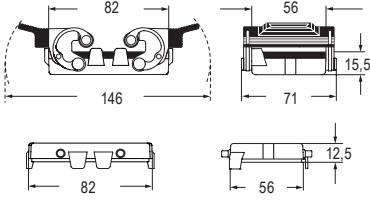
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIW 50		
	Surface mounting housings, 2 levers and gasket	MHPW 50.32 MHPW 50.240 CHPW 50.21 CHPW 50.229	M32 M40 × 2 Pg 21 Pg 29 × 2	
	Hoods, 4 pegs, without gasket, side entry	Side entry MHOW 50.25 MHOW 50.32 CHOW 50	M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, side or top entry, high construction, with metal adapter	Side entry MAOW 50.32 CAOW 50.29 Top entry MAVW 50.32 CAVW 50.29	M32 Pg 29	
 	Covers, with 2 levers and gasket (for enclosures with 4 pegs without gasket) or with 4 pegs, without gasket (for enclosures with 2 levers and gasket) with loop for hoods  or with eyelet for housings 	With 2 levers and loop CHCW 50 G With 4 pegs and loop CHCW 50 S With 4 pegs and eyelet CHCW 50		

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures – W-TYPE series

Housings and covers – 2 levers

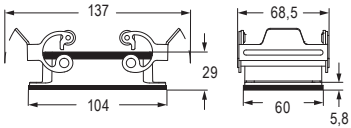
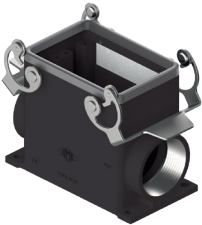
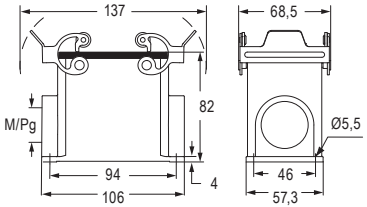
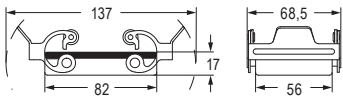
size **66.40**
**Aggressive
Environments**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 full metal locking levers and gasket	CHIXW 50		
	Surface mounting housings, 2 full metal locking levers and gasket	MHPXW 50.32 CHPXW 50.21	M32 Pg 21	
	Covers, with 2 full metal locking levers and gasket For enclosures with 4 pegs without gasket	CHCXW 50 G		

W-TYPE

E

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures – E-Xtreme®

Housings and covers – 1 lever

size **49.16**2 000 hrs resistance
in salt-spray testsAggressive
Environments

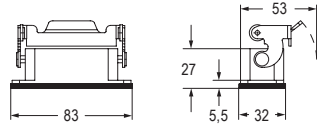
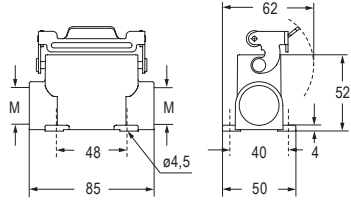
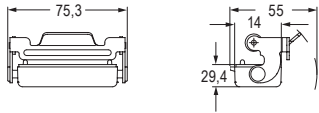
EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket	CZ7IE 15 L		
	Surface mounting housings, 1 lever, without gasket	M27PE 15L225	M25 × 2	
	Cover, 1 lever, without gasket	CZ7CE 15 LG		
	For enclosures with 2 pegs and gasket with loop for hoods 			

Inserts size 49.16	Poles	Pages
CDA 16 A	10 + ⊕	B.16
CDC 16 A	10 + ⊕	B.19
CSAH 16 A	10 + ⊕	B.24
CD 10 A	15 + ⊕	B.30

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 01 T (1-slot sized MIXO frames)	C.94

Slim enclosures – E-Xtreme®

size **49.16**

Hoods and covers – 2 pegs

2 000 hrs resistance
in salt-spray tests



Aggressive
Environments



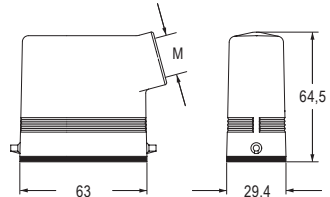
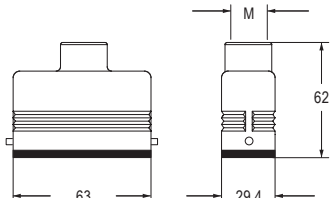
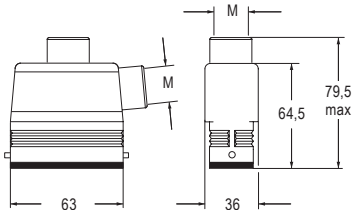
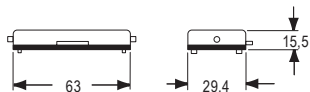
CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs and gasket, side entry	MZOE 15 L20 MZOE 15 L25		M20 M25	
	Hoods, 2 pegs and gasket, top entry		MZVE 15 L20	M20	
	Hoods, 2 pegs and gasket, side or top entry, high construction, with metal adapter	MZAQE 15 L25	MZAQE 15 L25	M25	
	Cover, 2 pegs and gasket For enclosures with 1 lever without gasket with eyelet for housings 		With eyelet CZCE 15 L		

Inserts size 49.16		Poles	Pages
CDA	16 A	10 + ⊕	B.16
CDC	16 A	10 + ⊕	B.19
CSAH	16 A	10 + ⊕	B.24
CD	10 A	15 + ⊕	B.30

MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 01 T (1-slot sized MIXO frames)		C.94



Slim enclosures – E-Xtreme®

Housings and covers – 1 lever

size **66.16****2 000 hrs resistance**
in salt-spray tests**Aggressive**
Environments

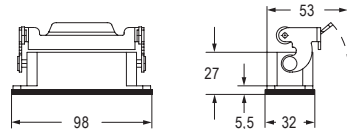
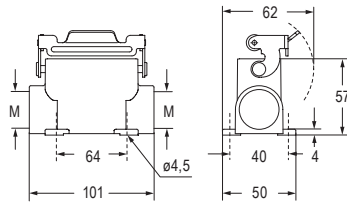
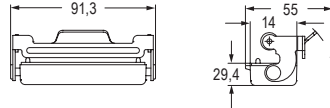
EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket	CZ7IE 25 L		
	Surface mounting housings, 1 lever, without gasket	MZ7PE 25L225	M25 × 2	
	Cover, 1 lever, without gasket For enclosures with 2 pegs and gasket with loop for hoods 	CZ7CE 25 LG		

Inserts size 66.16	Poles	Pages
CDA 16 A	16 + ⊕	B.17
CDC 16 A	16 + ⊕	B.20
CSAH 16 A	16 + ⊕	B.25
CD 10 A	25 + ⊕	B.31
CDD 10 A	38 + ⊕	B.33

Slim enclosures – E-Xtreme®

size **66.16**

Hoods and covers – 2 pegs

2 000 hrs resistance
in salt-spray tests



Aggressive
Environments



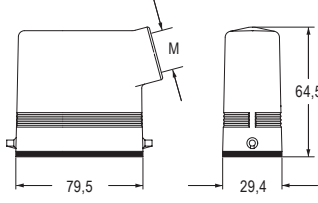
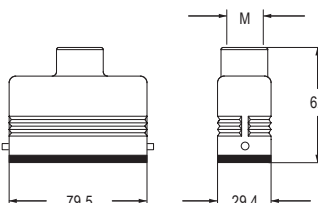
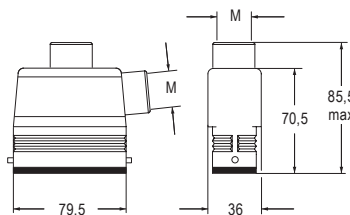
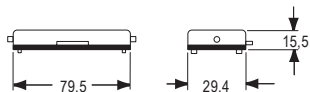
CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs and gasket, side entry	MZOE 25 L20 MZOE 25 L25		M20 M25	
	Hoods, 2 pegs and gasket, top entry To be used only with a complete cable gland		MZVE 25 L20	M20	
	Hoods, 2 pegs and gasket, side or top entry, high construction, with metal adapter	MZAQE 25 L25	MZAVE 25 L25	M25	
	Cover, 2 pegs and gasket For enclosures with 1 lever without gasket with eyelet for housings 		With eyelet CZCE 25 L		

E-Xtreme®

E

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Slim enclosures – E-Xtreme®

Housings, hoods and covers – 2 levers

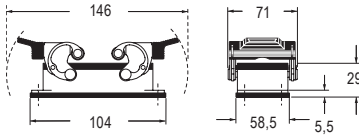
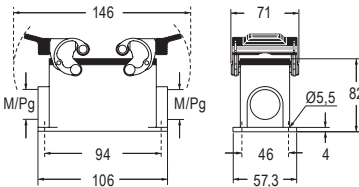
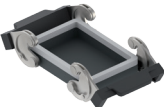
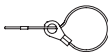
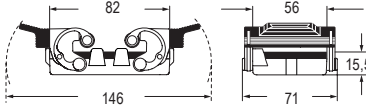
size **66.40**2 000 hrs resistance
in salt-spray testsAggressive
Environments

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIE 50		
	Surface mounting housings, 2 levers and gasket	MHPE 50.32 MHPE 50.240	M32 M40 × 2	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHCE 50 G		

E-Xtreme®

E

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures – E-Xtreme®

size **66.40**

Hoods and covers – 4 pegs

2 000 hrs resistance
in salt-spray tests



Aggressive
Environments

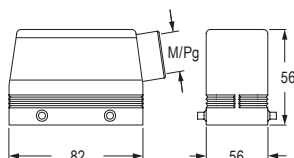
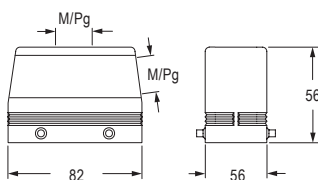
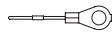


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHOF 50.25 MHOF 50.32		M25 M32	
	Hoods, 4 pegs, without gasket, side or top entry, high construction, with metal adapter	MAOF 50.32	MAVE 50.32	M32	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCE 50 S	With eyelet CHCE 50		

E-Xtreme®

E

Inserts size (66.16) × 2	Poles	Pages
CDA 16 A	32 + ⊕	B.18
CDC 16 A	32 + ⊕	B.21
CSAH 16 A	32 + ⊕	B.26
CD 10 A	50 + ⊕	B.32
CDD 10 A	76 + ⊕	B.34

Slim enclosures – EMC series

Housings and covers – 1 lever

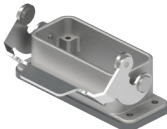
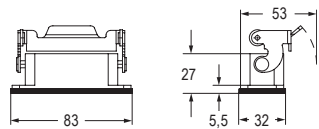
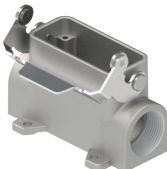
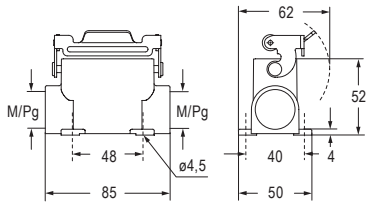
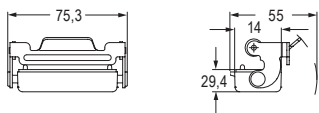
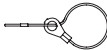
size **49.16**Specialized
Applications

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket	CZ7IS 15 L		
	Surface mounting housings, 1 lever, without gasket	MZ7PS 15L225 CZ7PS 15 L2	M25 × 2 Pg 16 × 2	
	Cover, 1 lever, without gasket	CZ7CS 15 LG		
	For enclosures with 2 pegs and gasket with loop for hoods 			

Inserts size 49.16	Poles	Pages
CDA 16 A	10 + ⊕	B.16
CDC 16 A	10 + ⊕	B.19
CSAH 16 A	10 + ⊕	B.24
CD 10 A	15 + ⊕	B.30

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 01 T (1-slot sized MIXO frames)	C.94

Slim enclosures – EMC series

Hoods and covers – 2 pegs

size **49.16**Specialized
Applications

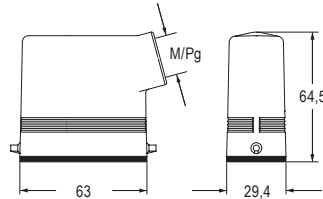
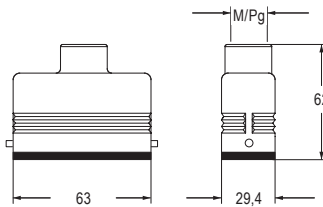
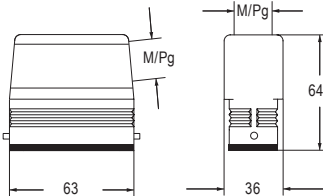
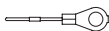
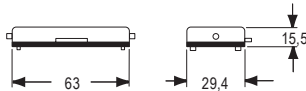
CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs and gasket, side entry	MZOS 15 L20 MZOS 15 L25 CZOS 15 L		M20 M25 Pg 16	
	Hoods, 2 pegs and gasket, top entry		MZVS 15 L20 CZVS 15 L	M20 Pg 13,5	
	Hoods, 2 pegs and gasket, side or top entry, high construction To be used only with a complete cable gland	MZFOS 15 L25 CZFOS 15 L21	MZFVS 15 L25 CZFVS 15 L21	M25 Pg 21	
	Cover, 2 pegs and gasket For enclosures with 1 lever without gasket with eyelet for housings 		With eyelet CZCS 15 L		

Inserts size 49.16		Poles	Pages
CDA	16 A	10 + ⊕	B.16
CDC	16 A	10 + ⊕	B.19
CSAH	16 A	10 + ⊕	B.24
CD	10 A	15 + ⊕	B.30

MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 01 T (1-slot sized MIXO frames)		C.94

Slim enclosures – EMC series

Housings and covers – 1 lever

size **66.16**

Specialized Applications

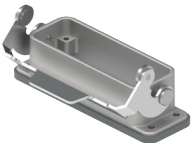
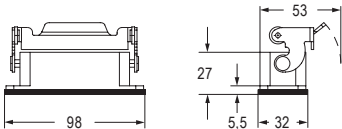
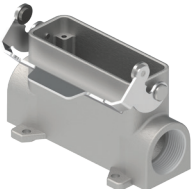
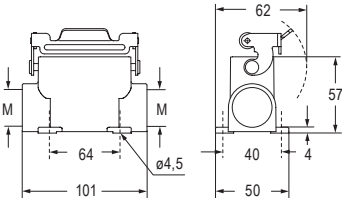
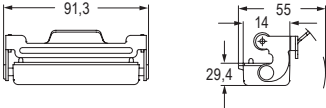


EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



UL[®] **US** ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket	CZ7IS 25 L		
	Surface mounting housings, 1 lever, without gasket	MZ7PS 25L225 CZ7PS 25 L2	M25 × 2 Pg 16 × 2	
	Cover, 1 lever, without gasket	CZ7CS 25 LG		

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ☹	B.17
CDC	16 A	16 + ☹	B.20
CSAH	16 A	16 + ☹	B.25
CD	10 A	25 + ☹	B.31
CDD	10 A	38 + ☹	B.33

Slim enclosures – EMC series

size **66.16**

Hoods and covers – 2 pegs

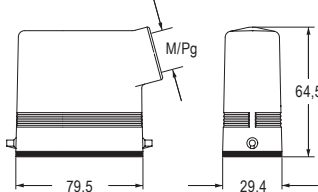
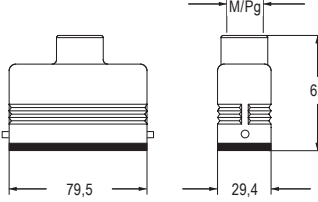
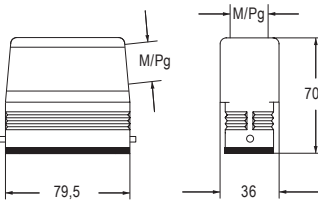
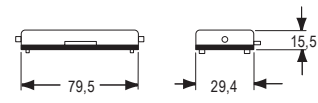
Specialized
Applications

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs and gasket, side entry	MZOS 25 L20 MZOS 25 L25 CZOS 25 L		M20 M25 Pg 16	
	Hoods, 2 pegs and gasket, top entry To be used only with a complete cable gland		MZVS 25 L20 CZVS 25 L	M20 Pg 16	
	Hoods, 2 pegs and gasket, side or top entry, high construction To be used only with a complete cable gland	MZFOS 25 L25 CZFOS 25 L21	MZFVS 25 L25 CZFVS 25 L21	M25 Pg 21	
	Cover, 2 pegs and gasket For enclosures with 1 lever without gasket with eyelet for housings 		With eyelet CZCS 25 L		

Inserts size 66.16		Poles	Pages
CDA	16 A	16 + ⊕	B.17
CDC	16 A	16 + ⊕	B.20
CSAH	16 A	16 + ⊕	B.25
CD	10 A	25 + ⊕	B.31
CDD	10 A	38 + ⊕	B.33

Panel cut-out drawings

For SLIM series bulkhead mounting housings

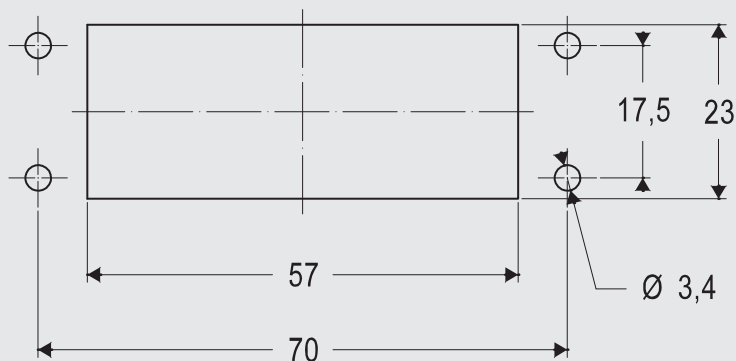
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

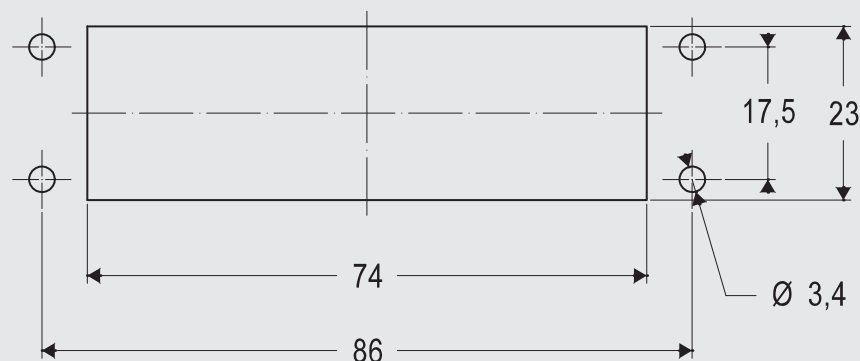
Scale 1:1

Size 49.16



Required screws: 4
Screws size: M3
Recommended torque:
 0,8 – 1,0 Nm / 7.1 – 8.9 lb.in

Size 66.16



Required screws: 4
Screws size: M3
Recommended torque:
 0,8 – 1,0 Nm / 7.1 – 8.9 lb.in

Note: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For SLIM series bulkhead mounting housings

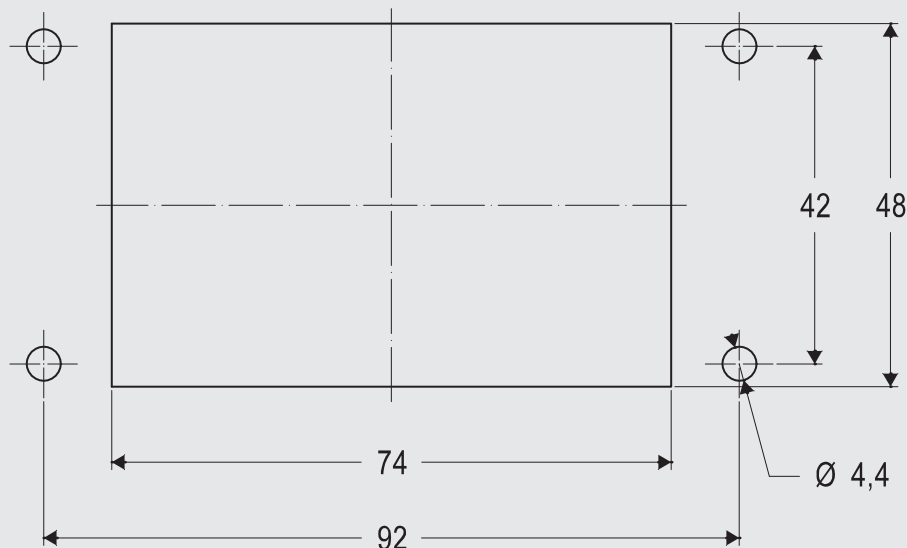
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

Scale 1:1

Size 66.40



Required screws: 4
Screws size: M4
Recommended torque:
1,2 – 1,8 Nm / 10.6 – 15.9 lb.in

Note: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



Heavy-Duty
Applications

C-TYPE

The classic choice



C-TYPE

E

Standard enclosures with C-TYPE levers

The iconic C-TYPE Class series has been developed for use in electrical and electronic machinery, control units, electrical panels, control equipment, industrial environments, and anywhere else a reliable and easily disconnectable connection is required for power and signal circuits.



SUM-UP

CH – MH series

- > Made of die cast aluminium alloy
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel resistant vinyl nitrile elastomer
- > Locking device with self-extinguishing thermoplastic handles, springs and pins in stainless-steel
- > Ambient temperature range: -40 °C / +125 °C

≡ Markings and Approvals

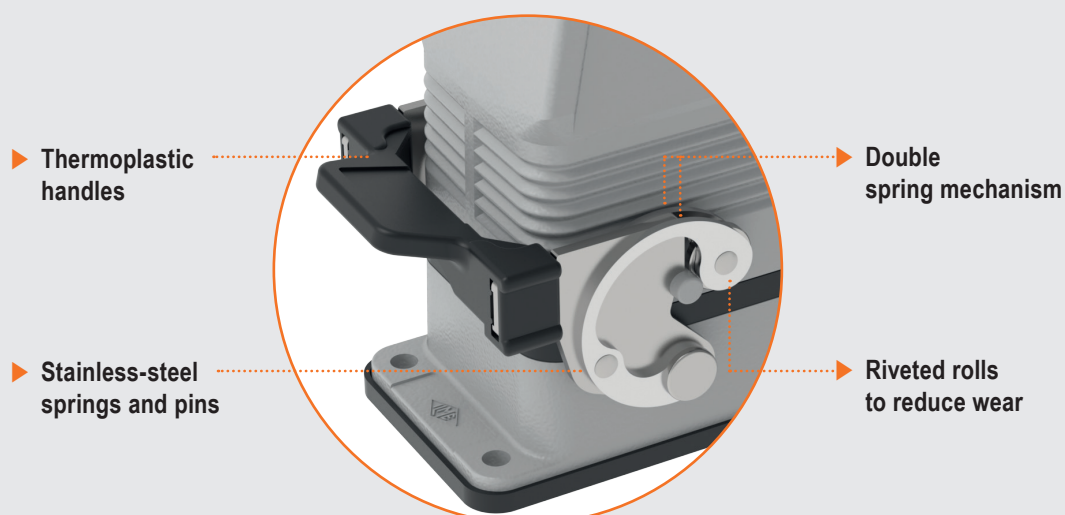
- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP69 degree of protection
- RoHS: compliant

FOCUS

Levers and technology

The C-TYPE lever is a stainless steel lever with thermoplastic handles, designed to reduce the wear of the pegs on the hoods significantly, thanks to the presence of riveted rolls on a double spring mechanism.

The C-TYPE locking system provides smooth closure, resilience and compensation for any coupling tolerance.



C-TYPE series

Housings and hoods – 1 lever – with gasket

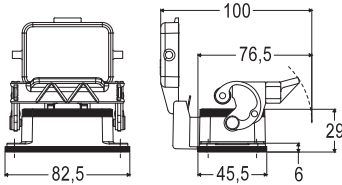
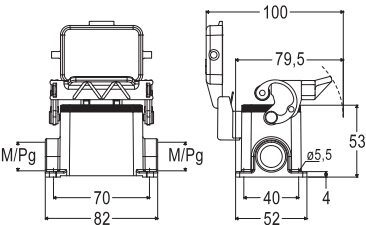
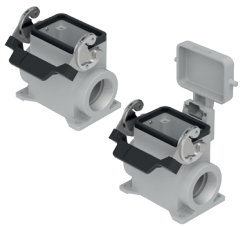
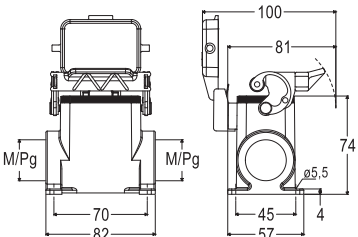
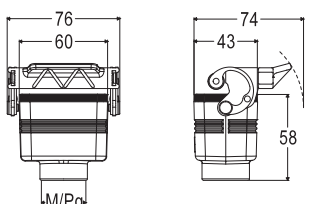
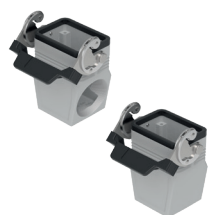
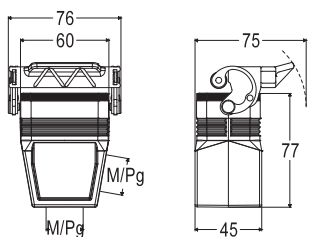
size **44.27**Heavy-Duty
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CHI 06 L	CHI 06 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MHP 06 L20 MHP 06 L220 CHP 06 L CHP 06 L2	MHP 06 LS20 MHP 06 LS220 CHP 06 LS CHP 06 LS2	M20 M20 × 2 Pg 16 Pg 16 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover, high construction To be used only with a complete cable gland	MAP 06 L25 MAP 06 L225 MAP 06 L32 MAP 06 L232 MAP 06 L40 MAP 06 L240 CAP 06 L CAP 06 L2 CAP 06 L29 CAP 06 L229	MAP 06 LS32 MAP 06 LS232 MAP 06 LS40 MAP 06 LS240 CAP 06 LS CAP 06 LS2 CAP 06 LS29 CAP 06 LS229	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry MHV 06 LG25 CHV 06 LG	M25 Pg 16	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry MFO 06 LG40	Top entry MFV 06 LG25 MFV 06 LG32 MFV 06 LG40 CFV 06 LG21 CFV 06 LG29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:



CHCP 06
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 2 pegs – without gasket

size **44.27**
**Heavy-Duty
Applications**

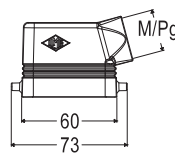
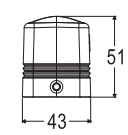
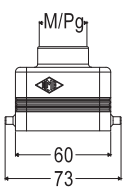
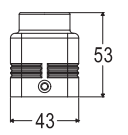
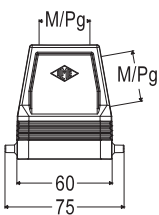
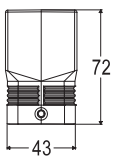
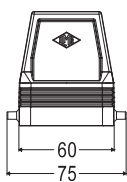
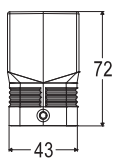

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry	MHO 06 L20 MHO 06 L25 CHO 06 L13 CHO 06 L16		M20 M25 Pg 13,5 Pg 16	 
	Hoods, 2 pegs, without gasket, top entry To be used only with a complete cable gland		MHV 06 L20 MHV 06 L25 CHV 06 L13 CHV 06 L16	M20 M25 Pg 13,5 Pg 16	 
	Hoods, 2 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 06 L25 MFO 06 L32 MFO 06 L40 CFO 06 L21 CFO 06 L29	MFV 06 L25 MFV 06 L32 MFV 06 L40 CFV 06 L21 CFV 06 L29	M25 M32 M40 Pg 21 Pg 29	 
	Hoods, 2 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 06 L			 

Inserts size 44.27	Poles	Pages
CNE 16 A	6 + ⊕	B.38
CCE 16 A	6 + ⊕	B.44
CSH / JSH S 16 A	6 + ⊕	B.52,58
CQE / CQEY 16 A	10 + ⊕	B.72,82
CDD 10 A	24 + ⊕	B.94
CDSH / CDSH NC 10 A	9 and 6 + ⊕	B.102,108
CSS 16 A	6 + ⊕	B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:



CHCP 06
Dust protection cover
Page G.46



C-TYPE series

Housings – 2 pegs – with gasket

size **44.27**

Heavy-Duty
Applications

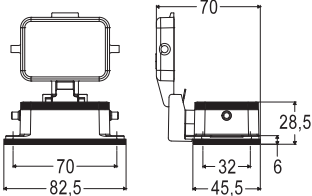
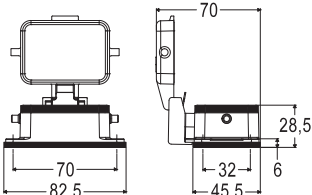


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



CAVUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 2 pegs and gasket, with or without metal cover	CHI 06 LC	CHI 06 LCS		
	Bulkhead mounting housings, 2 pegs and gasket, with or without plastic cover Enclosures with plastic cover do not have UL approval		CHI 06 LCP		

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages	
CNE	16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE	16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕	B.52,58		
CQE / CQEY	16 A	10 + ⊕	B.72,82		
CDD	10 A	24 + ⊕	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108		
CSS	16 A	6 + ⊕	B.118		
CT / CTSE*	16 A	6 + ⊕	B.126,130		

*can be used only in bulkhead mounting housings

Accessories:



CHCP 06
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 1 lever – without gasket

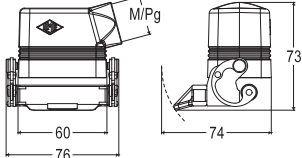
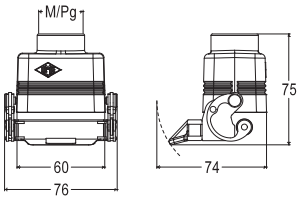
size **44.27**
**Heavy-Duty
Applications**


EN 60529	IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 1 lever, without gasket, side entry	MHO 06 LX20 MHO 06 LX25 CHO 06 LX16		M20 M25 Pg 16	
	Hoods, 1 lever, without gasket, top entry To be used only with a complete cable gland		MHV 06 LX20 MHV 06 LX25 CHV 06 LX16	M20 M25 Pg 16	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages	
CNE	16 A	6 + ☹	B.38	MIXO modules	C.12-93
CCE	16 A	6 + ☹	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ☹	B.52,58		
CQE / CQEY	16 A	10 + ☹	B.72,82		
CDD	10 A	24 + ☹	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ☹	B.102,108		
CSS	16 A	6 + ☹	B.118		

Accessories:



CHCP 06
Dust protection
cover
Page G.46

C-TYPE series

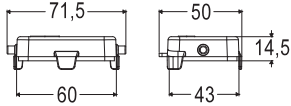
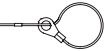
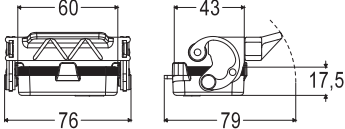
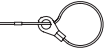
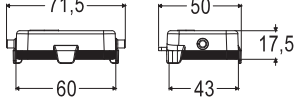
Covers

size **44.27**

Heavy-Duty Applications 

EN 60529	IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK
  
 C[®]ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	With loop	With eyelet	Entry	Dimension
	Covers, 2 pegs, without gasket	CHC 06 SL	CHC 06 L		
	For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 1 lever and gasket	CHC 06 LG			
	For enclosures with 2 pegs without gasket with loop for hoods 				
	Covers, 2 pegs and gasket	CHC 06 LC			
	For enclosures with 1 lever without gasket with loop for hoods 				

C-TYPE

E

C-TYPE series

Special enclosures

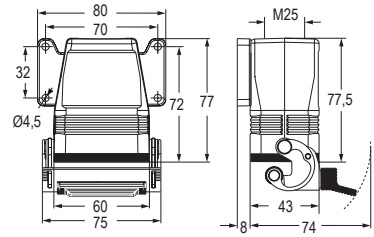
size **44.27**
**Heavy-Duty
Applications**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Angled surface mounting housings, 1 lever and gasket, cable gland entry, closed bulkhead - versions with M32, Pg 21 or Pg 29 entry on request. To be used only with a complete cable gland	MAV 06LG25-F	M25	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages	
CNE	16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE	16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕	B.52,58		
CQE / CQEY	16 A	10 + ⊕	B.72,82		
CDD	10 A	24 + ⊕	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108		
CSS	16 A	6 + ⊕	B.118		

Accessories:

CHCP 06
 Dust protection
 cover
 Page G.46

C-TYPE series

Housings and hoods – 1 lever – with gasket

size **57.27**Heavy-Duty
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



CAUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CHI 10 L	CHI 10 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MHP 10 L20 MHP 10 L220 CHP 10 L CHP 10 L2	MHP 10 LS20 MHP 10 LS220 CHP 10 LS CHP 10 LS2	M20 M20 × 2 Pg 16 Pg 16 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover, high construction	MAP 10 L32 MAP 10 L232 MAP 10 L40 MAP 10 L240 CAP 10 L CAP 10 L2 CAP 10 L29 CAP 10 L229	MAP 10 LS32 MAP 10 LS232 MAP 10 LS40 MAP 10 LS240 CAP 10 LS CAP 10 LS2 CAP 10 LS29 CAP 10 LS229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry MHV 10 LG25 CHV 10 LG	M25 Pg 16	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry MFO 10 LG40	Top entry MFV 10 LG25 MFV 10 LG32 MFV 10 LG40 CFV 10 LG21 CFV 10 LG29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts	Pages	
			MIXO modules	C.12-93	
			CX 03 T (3-slot sized MIXO frames)	C.95	

Accessories:



CHCP 10
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 2 pegs – without gasket

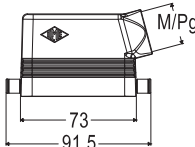
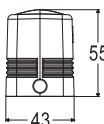
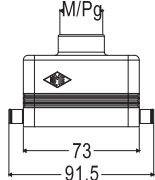
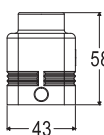
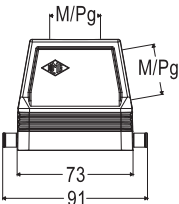
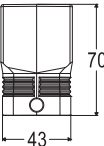
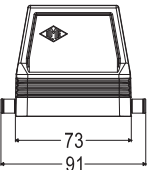
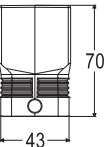
size **57.27**
**Heavy-Duty
Applications**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry	MHO 10 L20 MHO 10 L25 CHO 10 L16		M20 M25 Pg 16	 
	Hoods, 2 pegs, without gasket, top entry To be used only with a complete cable gland		MHV 10 L20 MHV 10 L25 CHV 10 L	M20 M25 Pg 16	 
	Hoods, 2 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 10 L32 MFO 10 L40 CFO 10 L21 CFO 10 L29	MFV 10 L32 MFV 10 L40 CFV 10 L21 CFV 10 L29	M32 M40 Pg 21 Pg 29	 
	Hoods, 2 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 10 L			 

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:


CHCP 10
Dust protection
cover
Page G.46

C-TYPE series

Housings and hoods – 2 levers – with gasket

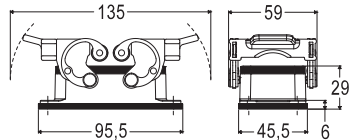
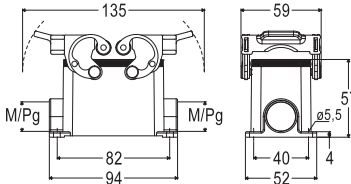
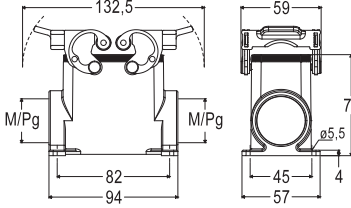
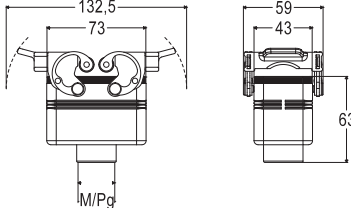
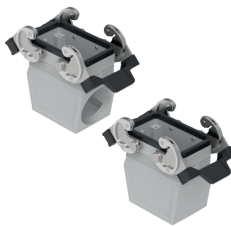
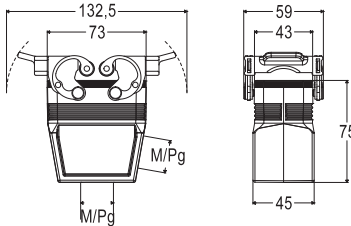
size **57.27**Heavy-Duty
Applications

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

C[®]ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHI 10		
	Surface mounting housings, 2 levers and gasket	MHP 10.20 MHP 10.220 CHP 10 CHP 10.2	M20 M20 × 2 Pg 16 Pg 16 × 2	
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	MAP 10.25 MAP 10.225 MAP 10.32 MAP 10.232 MAP 10.40 MAP 10.240 CAP 10.21 CAP 10.221 CAP 10.29 CAP 10.229	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 2 levers and gasket, top entry	MHV 10 G25 CHV 10 G	Top entry M25 Pg 16	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 10 G40	Side entry Top entry MFV 10 G25 MFV 10 G32 MFV 10 G40 CFV 10 G CFV 10 G29	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ⊕ B.39	CT / CTSE*	16 A	10 + ⊕ B.127,131
CCE	16 A	10 + ⊕ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ⊕ B.144,149
CSH / JSH S	16 A	10 + ⊕ B.53,59	CX	40 A/10 A	8/24 + ⊕ B.170-171
CSHT	16 A	10 + ⊕ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ⊕ B.73,83			
CDD	10 A	42 + ⊕ B.95			
CDSH	10 A	18 + ⊕ B.103			
CSS	16 A	10 + ⊕ B.119			
			MIXO Modular Inserts	Pages	
			MIXO modules	C.12-93	
			CX 03 T (3-slot sized MIXO frames)	C.95	

Accessories:

 **CHCP 10**
Dust protection
cover
Page G.46

 **CR LCK**
Locking
device
Page G.43

C-TYPE series

Hoods – 4 pegs – without gasket

size **57.27**
**Heavy-Duty
Applications**

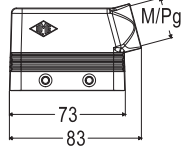
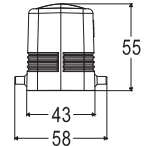
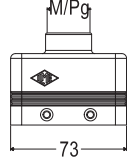
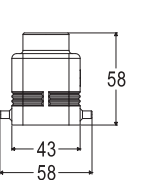
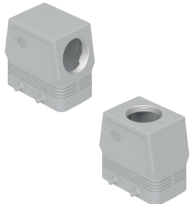
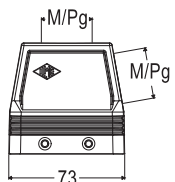
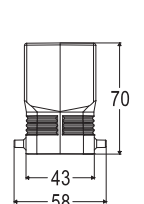
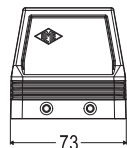
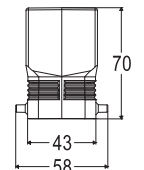

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHO 10.20 MHO 10.25 CHO 10		M20 M25 Pg 16	 
	Hoods, 4 pegs, without gasket, top entry To be used only with a complete cable gland		MHV 10.20 MHV 10.25 CHV 10	M20 M25 Pg 16	 
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 10.32 MFO 10.40 CFO 10.21 CFO 10.29	MFV 10.32 MFV 10.40 CFV 10.21 CFV 10.29	M32 M40 Pg 21 Pg 29	 
	Hoods, 4 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 10			 

C-TYPE

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:


CHCP 10
Dust protection
cover
Page G.46

C-TYPE series

Housings – 4 pegs – with gasket

size **57.27**
**Heavy-Duty
Applications**


CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 4 pegs and gasket, with or without metal or plastic cover	CHI 10 CS	CHI 10 CP		
	Enclosures with plastic cover do not have UL approval	Without Cover	CHI 10 C		
	Surface mounting housings, 4 pegs and gasket, with metal or plastic cover	MHP 10 CS20 MHP 10 CS220 CHP 10 CS CHP 10 CS2	MHP 10 CP20 MHP 10 CP220 CHP 10 CP CHP 10 CP2	M20 M20 × 2 Pg 16 Pg 16 × 2	
	Enclosures with plastic cover do not have UL approval				
	Surface mounting housings, 4 pegs and gasket, with metal or plastic cover, high construction	MAP 10 CS32 MAP 10 CS232 MAP 10 CS40 MAP 10 CS240 CAP 10 CS CAP 10 CS2 CAP 10 CS29 CAP 10 CS229	MAP 10 CP32 MAP 10 CP232 MAP 10 CP40 MAP 10 CP240 CAP 10 CP CAP 10 CP2 CAP 10 CP29 CAP 10 CP229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Enclosures with plastic cover do not have UL approval				

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts	Pages	
			MIXO modules	C.12-93	
			CX 03 T (3-slot sized MIXO frames)	C.95	

Accessories:

CHCP 10
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 2 levers – without gasket

size **57.27**Heavy-Duty
Applications

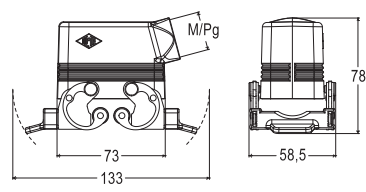
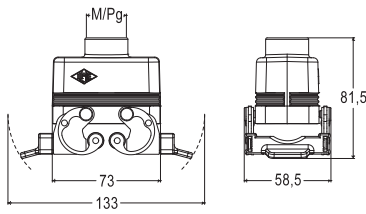
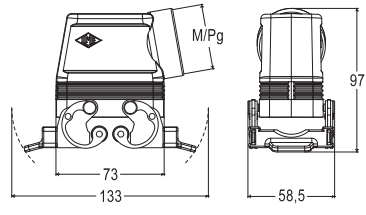
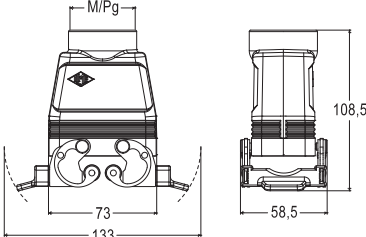
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry	MHO 10 X20 MHO 10 X25 CHO 10 X		M20 M25 Pg 16	
	Hoods, 2 levers, without gasket, top entry To be used only with a complete cable gland		MHV 10 X20 MHV 10 X25 CHV 10 X	M20 M25 Pg 16	
	Hoods, 2 levers, without gasket, side entry, high construction	MAO 10 X32 MAO 10 X40 CAO 10 X CAO 10 X29		M32 M40 Pg 21 Pg 29	
	Hoods, 2 levers, without gasket, top entry, high construction		MAV 10 X32 MAV 10 X40 CAV 10 X CAV 10 X29	M32 M40 Pg 21 Pg 29	

C-TYPE

E

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39
CCE	16 A	10 + ☉ B.45
CSH / JSH S	16 A	10 + ☉ B.53,59
CSHT	16 A	10 + ☉ B.66
CQE / CQEY	16 A	18 + ☉ B.73,83
CDD	10 A	42 + ☉ B.95
CDSH	10 A	18 + ☉ B.103
CSS	16 A	10 + ☉ B.119

Inserts size 57.27	Poles	Pages
CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CX	40 A/10 A	8/24 + ☉ B.170-171
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:



CHCP 10
Dust protection
cover
Page G.46

C-TYPE series

Covers

size **57.27**

Heavy-Duty
Applications



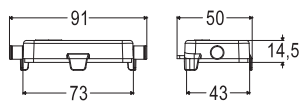
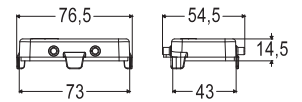
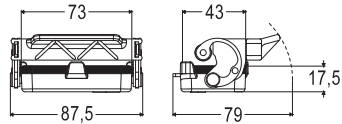
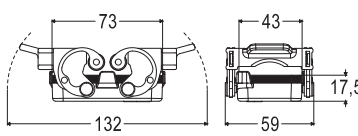
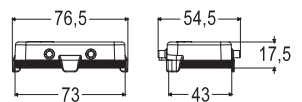
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	With loop	With eyelet	Entry	Dimension
	Covers, 2 pegs, without gasket	CHC 10 SL	CHC 10 L		
	For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 4 pegs, without gasket	CHC 10 S	CHC 10		
	For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 1 lever and gasket	CHC 10 LG			
	For enclosures with 2 pegs without gasket with loop for hoods 				
	Covers, 2 levers and gasket	CHC 10 G			
	For enclosures with 4 pegs without gasket with loop for hoods 				
	Covers, 4 pegs and gasket	CHC 10 C			
	For enclosures with 2 levers without gasket with loop for hoods 				

C-TYPE

E

C-TYPE series

Special enclosures

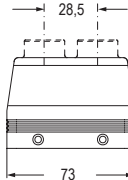
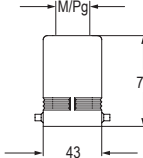
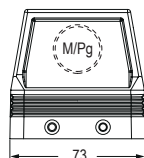
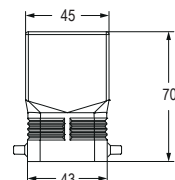
size **57.27**
**Heavy-Duty
Applications**


CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 4 pegs, without gasket, 2 top entries, high construction To be used only with complete cable glands	MFV 10.220 CFV 10.213	M20 × 2 Pg 13,5 × 2	 
	Hoods, 4 pegs, without gasket, frontal entry, high construction To be used only with a complete cable gland	MFF 10.20 CFF 10	M20 Pg 16	 

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:

CHCP 10
Dust protection
cover
Page G.46

C-TYPE series

Housings and hoods – 1 lever – with gasket

size **77.27**Heavy-Duty
Applications

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CHI 16 L	CHI 16 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MHP 16 L25 MHP 16 L225 CHP 16 L CHP 16 L2	MHP 16 LS25 MHP 16 LS225 CHP 16 LS CHP 16 LS2	M25 M25 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover, high construction	MAP 16 L32 MAP 16 L232 MAP 16 L40 MAP 16 L240 CAP 16 L CAP 16 L2 CAP 16 L29 CAP 16 L229	MAP 16 LS32 MAP 16 LS232 MAP 16 LS40 MAP 16 LS240 CAP 16 LS CAP 16 LS2 CAP 16 LS29 CAP 16 LS229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry MHV 16 LG32 CHV 16 LG	M32 Pg 21	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry MFO 16 LG40	Top entry MFV 16 LG25 MFV 16 LG32 MFV 16 LG40 CFV 16 LG21 CFV 16 LG29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Accessories:


CHCP 16
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 2 pegs – without gasket

size **77.27**Heavy-Duty
Applications

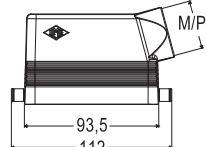
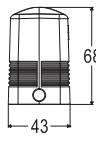
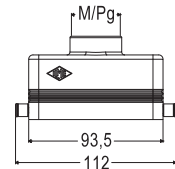
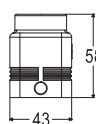
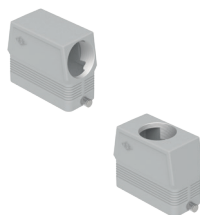
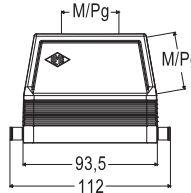
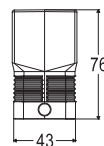
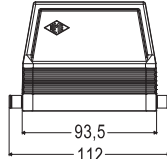
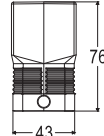
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry	MHO 16 L25 MHO 16 L32 CHO 16 L		M25 M32 Pg 21	 
	Hoods, 2 pegs, without gasket, top entry To be used only with a complete cable gland		MHV 16 L25 MHV 16 L32 CHV 16 L	M25 M32 Pg 21	 
	Hoods, 2 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 16 L32 MFO 16 L40 CFO 16 L21 CFO 16 L29	MFV 16 L32 MFV 16 L40 CFV 16 L21 CFV 16 L29	M32 M40 Pg 21 Pg 29	 
	Hoods, 2 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 16 L			 

C-TYPE

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84					
CQEE 16 A	40 + ⊕	B.78	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

Accessories:



CHCP 16
Dust protection
cover
Page G.46

C-TYPE series

Housings and hoods – 2 levers – with gasket

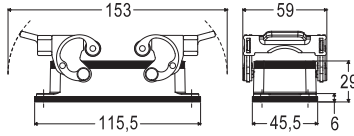
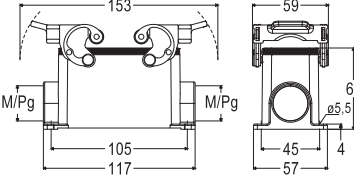
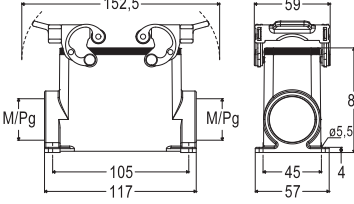
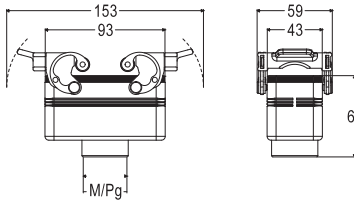
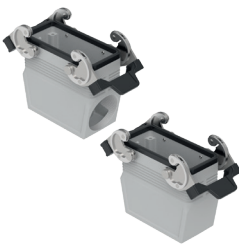
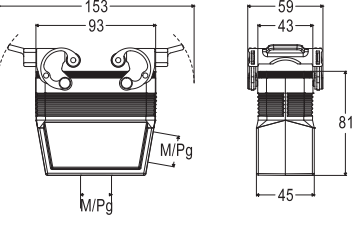
size **77.27**Heavy-Duty
Applications

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

C[®]ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHI 16		
	Surface mounting housings, 2 levers and gasket	MHP 16.25 MHP 16.225 CHP 16 CHP 16.2	M25 M25 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	MAP 16.25 MAP 16.225 MAP 16.32 MAP 16.232 MAP 16.40 MAP 16.240 CAP 16.21 CAP 16.221 CAP 16.29 CAP 16.229	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 2 levers and gasket, top entry	MHV 16 G32 CHV 16 G	Top entry M32 Pg 21	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry MFO 16 G40	Top entry M25 M32 M40 Pg 21 Pg 29	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Accessories:



CHCP 16
Dust protection
cover
Page G.46



CR LCK
Locking
device
Page G.43

C-TYPE series

Hoods – 4 pegs – without gasket

size **77.27**
**Heavy-Duty
Applications**

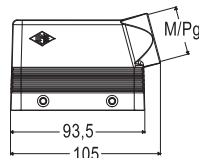
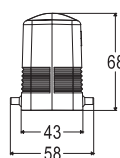
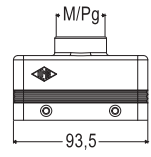
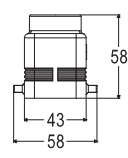
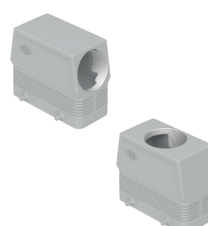
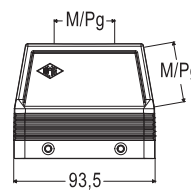
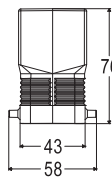
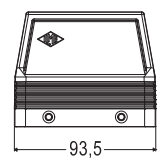
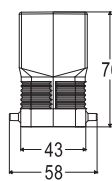

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHO 16.25 MHO 16.32 CHO 16		M25 M32 Pg 21	 
	Hoods, 4 pegs, without gasket, top entry To be used only with a complete cable gland		MHV 16.25 MHV 16.32 CHV 16	M25 M32 Pg 21	 
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 16.32 MFO 16.40 CFO 16.21 CFO 16.29	MFV 16.32 MFV 16.40 CFV 16.21 CFV 16.29	M32 M40 Pg 21 Pg 29	 
	Hoods, 4 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 16			 

C-TYPE

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84					
CQEE 16 A	40 + ⊕	B.78	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

Accessories:

CHCP 16
Dust protection
cover
Page G.46

C-TYPE series

Housings – 4 pegs – with gasket

size **77.27**Heavy-Duty
Applications

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

C[®]ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 4 pegs and gasket, with or without metal or plastic cover	CHI 16 CS	CHI 16 CP		
	Enclosures with plastic cover do not have UL approval	Without Cover CHI 16 C			
	Surface mounting housings, 4 pegs and gasket, with metal or plastic cover	MHP 16 CS25 MHP 16 CS225 CHP 16 CS CHP 16 CS2	MHP 16 CP25 MHP 16 CP225 CHP 16 CP CHP 16 CP2	M25 M25 × 2 Pg 21 Pg 21 × 2	
	Enclosures with plastic cover do not have UL approval				
	Surface mounting housings, 4 pegs and gasket, with metal or plastic cover, high construction	MAP 16 CS32 MAP 16 CS232 MAP 16 CS40 MAP 16 CS240 CAP 16 CS CAP 16 CS2 CAP 16 CS29 CAP 16 CS229	MAP 16 CP32 MAP 16 CP232 MAP 16 CP40 MAP 16 CP240 CAP 16 CP CAP 16 CP2 CAP 16 CP29 CAP 16 CP229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Enclosures with plastic cover do not have UL approval				

C-TYPE

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ☉	B.40	CP / CPY 35 A	6 + ☉	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ☉	B.46	CSS 16 A	16 + ☉	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ☉	B.54,60	CT / CTSE* 16 A	16 + ☉	B.128,132		
CSHT 16 A	16 + ☉	B.67	CT / CTS* 10 A	40 + ☉	B.138,140		
CQE / CQEY 16 A	32 + ☉	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ☉	B.145,150		
CQEE 16 A	40 + ☉	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ☉	B.158-160		
CD 10 A	40 + ☉	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉	B.163-164, 168-169		
CDD 10 A	72 + ☉	B.94					
CDSH 10 A	27 + ☉	B.104					

*can be used only in bulkhead mounting housings

Accessories:



CHCP 16
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 2 levers – without gasket

size **77.27**Heavy-Duty
Applications

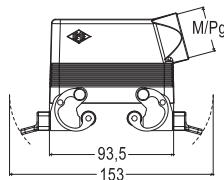
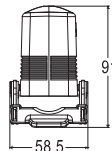
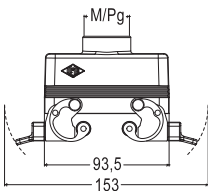
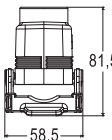
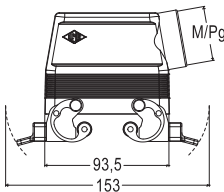
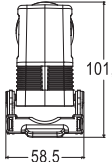
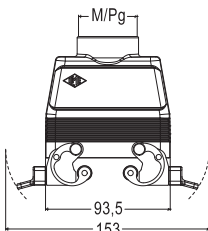
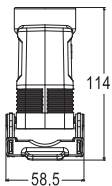
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry	MHO 16 X25 MHO 16 X32 CHO 16 X		M25 M32 Pg 21	 
	Hoods, 2 levers, without gasket, top entry		MHV 16 X25 MHV 16 X32 CHV 16 X	M25 M32 Pg 21	 
	Hoods, 2 levers, without gasket, side entry, high construction	MAO 16 X32 MAO 16 X40 CAO 16 X CAO 16 X29		M32 M40 Pg 21 Pg 29	 
	Hoods, 2 levers, without gasket, top entry, high construction		MAV 16 X32 MAV 16 X40 CAV 16 X CAV 16 X29	M32 M40 Pg 21 Pg 29	 

C-TYPE

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84					
CQEE 16 A	40 + ⊕	B.78	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

Accessories:



CHCP 16
Dust protection
cover
Page G.46



C-TYPE series

Covers

size **77.27**

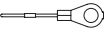
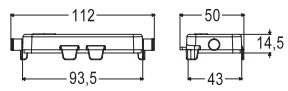
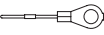
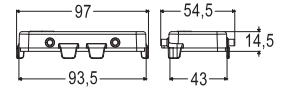
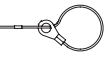
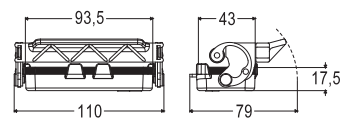
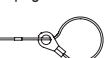
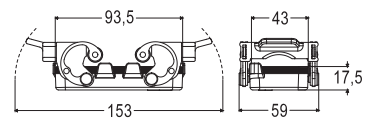
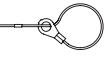
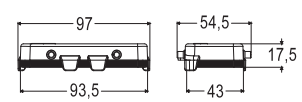
Heavy-Duty Applications

CE UK

ccc DNV BUREAU VERITAS

CBUS ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	With loop	With eyelet	Entry	Dimension
	Covers, 2 pegs, without gasket	CHC 16 SL	CHC 16 L		
	For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 4 pegs, without gasket	CHC 16 S	CHC 16		
	For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 1 lever and gasket	CHC 16 LG			
	For enclosures with 2 pegs without gasket with loop for hoods 				
	Covers, 2 levers and gasket	CHC 16 G			
	For enclosures with 4 pegs without gasket with loop for hoods 				
	Covers, 4 pegs and gasket	CHC 16 C			
	For enclosures with 2 levers without gasket with loop for hoods 				

C-TYPE

E

C-TYPE series

Special enclosures

size **77.27**
**Heavy-Duty
Applications**


CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 4 pegs, without gasket, 2 top or frontal entries, high construction To be used only with complete cable glands	Frontal entries	Top entries	
		MFF 16.225 CFF 16.221	MFV 16.220 MFV 16.225 CFV 16.216 CFV 16.221	
	Hoods, 4 pegs, without gasket, frontal entry, high construction To be used only with a complete cable gland	Frontal entry		
	Inclined hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry	Top entry	

Inserts size 77.27	Poles	Pages
CNE	16 A	16 + ☉ B.40
CCE	16 A	16 + ☉ B.46
CSH / JSH S	16 A	16 + ☉ B.54,60
CSHT	16 A	16 + ☉ B.67
CQE / CQEY	16 A	32 + ☉ B.74,84
CQEE	16 A	40 + ☉ B.78
CD	10 A	40 + ☉ B.90
CDD	10 A	72 + ☉ B.94
CDSH	10 A	27 + ☉ B.104

Inserts size 77.27	Poles	Pages
CP / CPY	35 A	6 + ☉ B.112,114
CSS	16 A	16 + ☉ B.120
CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150
CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160
CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames)	C.95

Accessories:


CHCP 16
 Dust protection
 cover
 Page G.46

C-TYPE series

Housings and hoods – 1 lever – with gasket

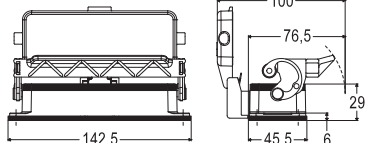
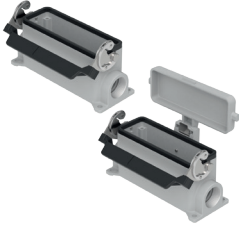
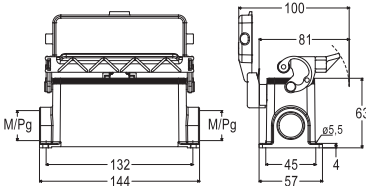
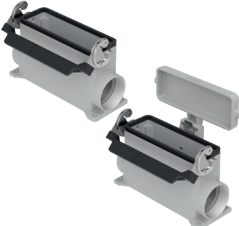
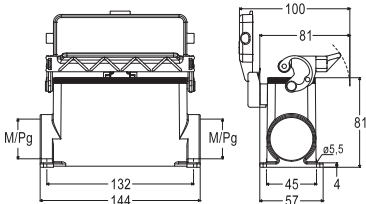
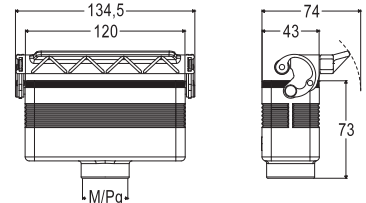
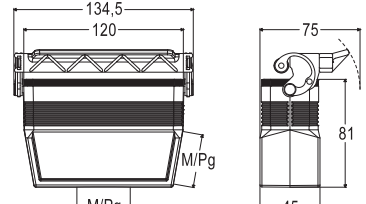
size **104.27**Heavy-Duty
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CHI 24 L	CHI 24 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MHP 24 L25 MHP 24 L225 CHP 24 L CHP 24 L2	MHP 24 LS25 MHP 24 LS225 CHP 24 LS CHP 24 LS2	M25 M25 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover, high construction	MAP 24 L32 MAP 24 L232 MAP 24 L40 MAP 24 L240 CAP 24 L CAP 24 L2 CAP 24 L29 CAP 24 L229	MAP 24 LS32 MAP 24 LS232 MAP 24 LS40 MAP 24 LS240 CAP 24 LS CAP 24 LS2 CAP 24 LS29 CAP 24 LS229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry MHV 24 LG32 CHV 24 LG	M32 Pg 21	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry MFO 24 LG40	Top entry MFV 24 LG25 MFV 24 LG32 MFV 24 LG40 CFV 24 LG21 CFV 24 LG29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☉ B.121
CT / CTSE*	16 A	24 + ☉ B.129,133
CT / CTS*	10 A	64 + ☉ B.139,141
CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Accessories:



CHCP 24
Dust protection
cover
Page G.46

C-TYPE series

Hoods – 2 pegs – without gasket

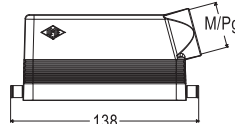
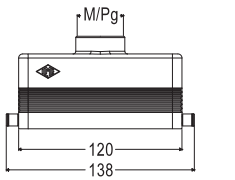
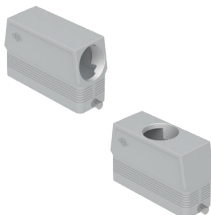
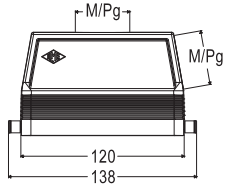
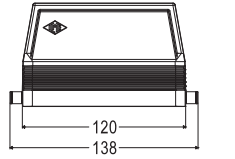
size **104.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry	MHO 24 L25 MHO 24 L32 CHO 24 L		M25 M32 Pg 21	 138 68 43
	Hoods, 2 pegs, without gasket, top entry		MHV 24 L25 MHV 24 L32 CHV 24 L	M25 M32 Pg 21	 120 138 68 43
	Hoods, 2 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 24 L32 MFO 24 L40 CFO 24 L21 CFO 24 L29	MFV 24 L32 MFV 24 L40 CFV 24 L21 CFV 24 L29	M32 M40 Pg 21 Pg 29	 120 138 76 43
	Hoods, 2 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 24 L			 120 138 76 43

C-TYPE

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:

CHCP 24
Dust protection
cover
Page G.46

C-TYPE series

Housings and hoods – 2 levers – with gasket

size **104.27**Heavy-Duty
Applications

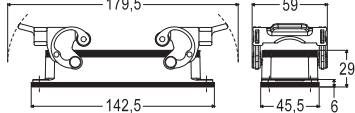
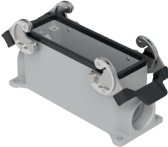
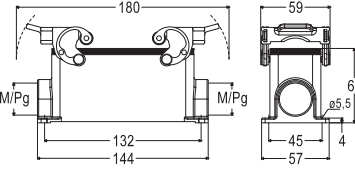
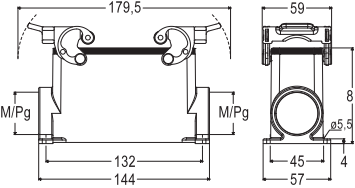
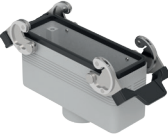
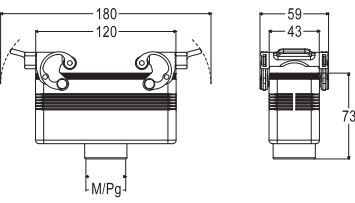
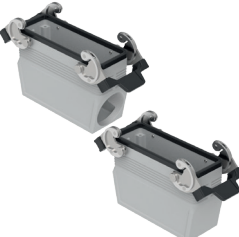
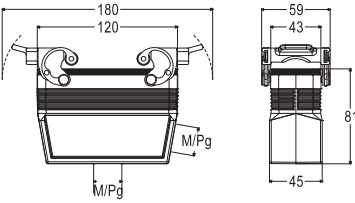
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHI 24		
	Surface mounting housings, 2 levers and gasket	MHP 24.25 MHP 24.225 CHP 24 CHP 24.2	M25 M25 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 2 levers and gasket, high construction	MAP 24.25 MAP 24.225 MAP 24.32 MAP 24.232 MAP 24.40 MAP 24.240 CAP 24.21 CAP 24.221 CAP 24.29 CAP 24.229	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Hoods, 2 levers and gasket, top entry	MHV 24 G32 CHV 24 G	Top entry M32 Pg 21	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry MFO 24 G40 Top entry MFV 24 G25 MFV 24 G32 MFV 24 G40 CFV 24 G CFV 24 G29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

Accessories:



CHCP 24
Dust protection
cover
Page G.46



CR LCK
Locking
device
Page G.43

C-TYPE series

Hoods – 4 pegs – without gasket

size **104.27**
**Heavy-Duty
Applications**

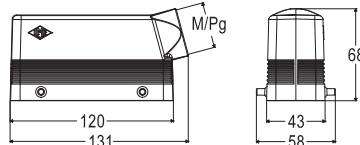
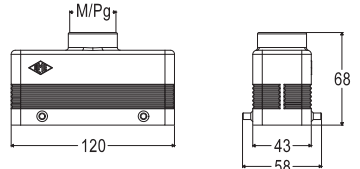
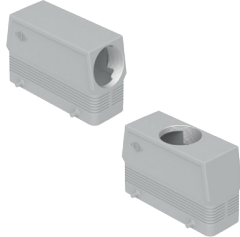
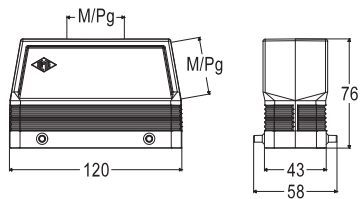
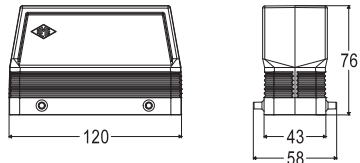

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHO 24.25 MHO 24.32 CHO 24		M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, top entry		MHV 24.25 MHV 24.32 CHV 24	M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFO 24.32 MFO 24.40 CFO 24.21 CFO 24.29	MFV 24.32 MFV 24.40 CFV 24.21 CFV 24.29	M32 M40 Pg 21 Pg 29	
	Hoods, 4 pegs, without gasket, high construction, designed to be drilled	Without entry CAC 24			

C-TYPE

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:

CHCP 24
Dust protection
cover
Page G.46

C-TYPE series

Housings – 4 pegs – with gasket

size **104.27**
**Heavy-Duty
Applications**


CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 4 pegs and gasket, with or without metal or plastic cover	CHI 24 CS	CHI 24 CP		
	Enclosures with plastic cover do not have UL approval	Without Cover	CHI 24 C		
	Surface mounting housings, 4 pegs and gasket, with metal or plastic cover	MHP 24 CS25 MHP 24 CS225 CHP 24 CS CHP 24 CS2	MHP 24 CP25 MHP 24 CP225 CHP 24 CP CHP 24 CP2	M25 M25 × 2 Pg 21 Pg 21 × 2	
	Enclosures with plastic cover do not have UL approval				
	Surface mounting housings, 4 pegs and gasket, with metal or plastic cover, high construction	MAP 24 CS32 MAP 24 CS232 MAP 24 CS40 MAP 24 CS240 CAP 24 CS CAP 24 CS2 CAP 24 CS29 CAP 24 CS229	MAP 24 CP32 MAP 24 CP232 MAP 24 CP40 MAP 24 CP240 CAP 24 CP CAP 24 CP2 CAP 24 CP29 CAP 24 CP229	M32 M32 × 2 M40 M40 × 2 Pg 21 Pg 21 × 2 Pg 29 Pg 29 × 2	
	Enclosures with plastic cover do not have UL approval				

C-TYPE

E

Inserts size 104.27				Inserts size 104.27				MIXO Modular Inserts			
		Poles	Pages			Poles	Pages			Poles	Pages
CNE	16 A	24 + ⊕	B.41	CSS	16 A	24 + ⊕	B.121	MIXO modules			C.12-93
CCE	16 A	24 + ⊕	B.47	CT / CTSE*	16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)			C.95
CSH / JSH S	16 A	24 + ⊕	B.55,61	CT / CTS*	10 A	64 + ⊕	B.139,141				
CSHT	16 A	24 + ⊕	B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ⊕	B.146,151				
CQE / CQEY	16 A	46 + ⊕	B.75,85	CX	100 A/16 A	8/0 and 6/6 + ⊕	B.156-157				
CQEE	16 A	64 + ⊕	B.79	CX / CXC	80 A/16 A	4/8 + ⊕	B.161-162				
CD	10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings							
CDD	10 A	108 + ⊕	B.97								
CDSH	10 A	42 + ⊕	B.105	*can be used only in bulkhead mounting housings							

Accessories:



CHCP 24
Dust protection cover
Page G.46

C-TYPE series

Hoods – 2 levers – without gasket

size **104.27**
**Heavy-Duty
Applications**

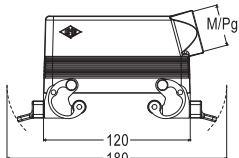
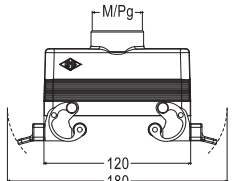
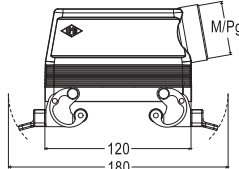
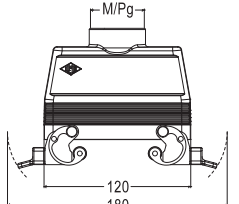

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry	MHO 24 X25 MHO 24 X32 CHO 24 X		M25 M32 Pg 21	 120 180 91 58,5
	Hoods, 2 levers, without gasket, top entry		MHV 24 X25 MHV 24 X32 CHV 24 X	M25 M32 Pg 21	 120 180 93 58,5
	Hoods, 2 levers, without gasket, side entry, high construction	MAO 24 X32 MAO 24 X40 CAO 24 X CAO 24 X29		M32 M40 Pg 21 Pg 29	 120 180 103 58,5
	Hoods, 2 levers, without gasket, top entry, high construction		MAV 24 X32 MAV 24 X40 CAV 24 X CAV 24 X29	M32 M40 Pg 21 Pg 29	 120 180 114,5 58,5

C-TYPE

E

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☉ B.121
CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Accessories:


CHCP 24
Dust protection
cover
Page G.46



C-TYPE series

Covers

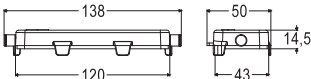
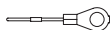
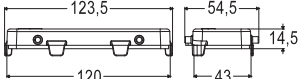
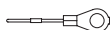
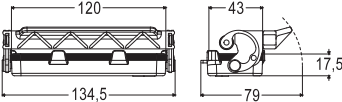
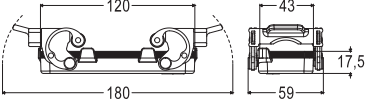
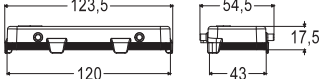
size **104.27****Heavy-Duty
Applications**

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	With loop	With eyelet	Entry	Dimension
	Covers, 2 pegs, without gasket	CHC 24 SL	CHC 24 L		
	For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 4 pegs, without gasket	CHC 24 S	CHC 24		
	For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 1 lever and gasket	CHC 24 LG			
	For enclosures with 2 pegs without gasket with loop for hoods 				
	Covers, 2 levers and gasket	CHC 24 G			
	For enclosures with 4 pegs without gasket with loop for hoods 				
	Covers, 4 pegs and gasket	CHC 24 C			
	For enclosures with 2 levers without gasket with loop for hoods 				

C-TYPE series

Special enclosures

size **104.27**
**Heavy-Duty
Applications**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 4 pegs, without gasket, 2 top or frontal entries, high construction	Frontal entries MFF 24.225	Top entries MFV 24.232	
	To be used only with complete cable glands	CFF 24.221	CFV 24.221	
	Hoods, 4 pegs, without gasket, frontal entry, high construction	Frontal entry MFF 24.25 CFF 24		
	Inclined hoods, 4 pegs, without gasket, side or top entry, high construction	Side entry MIO 24.40 MIO 24.50 CIO 24.36	Top entry MIV 24.40 MIV 24.50 CIV 24.36	
	Enlarged hoods, 4 pegs, without gasket, side or top entry	Side entry MQO 24.40 CQO 24	Top entry MQV 24.40 CQV 24	
	Hoods for ribbon cable, 4 pegs, without gasket, top entry and seal gaskets for ribbon cable hoods (supplied separately)	Hood CAN 24		
	These enclosures grant IP44 only	Ribbon seal	Size (mm)	
		CRN 1	18,8 × 5,8	
		CRN 2	63,8 × 5,1	
		CRN 3	36,0 × 9,0	
		CRN P	not pre-drilled	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ⊕ B.41	CSS	16 A	24 + ⊕ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ⊕ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ⊕ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ⊕ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ⊕ B.156-157		
CSHT	16 A	24 + ⊕ B.68	CX / CXC	80 A/16 A	4/8 + ⊕ B.161-162		
CQE / CQEY	16 A	46 + ⊕ B.75,85					
CQEE	16 A	64 + ⊕ B.79					
CD	10 A	64 + ⊕ B.91					
CDD	10 A	108 + ⊕ B.97					
CDSH	10 A	42 + ⊕ B.105					

Accessories:

CHCP 24
Dust protection
cover
Page G.46

C-TYPE series

Housings and hoods – 1 lever – with gasket

size **77.62**Heavy-Duty
Applications

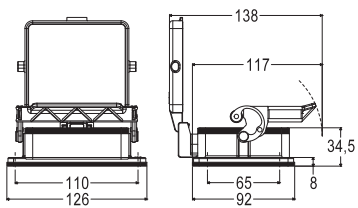
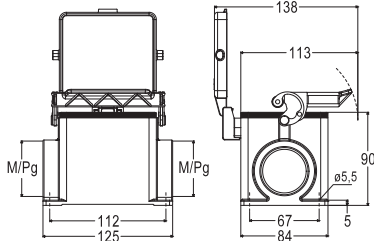
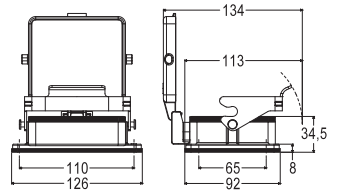
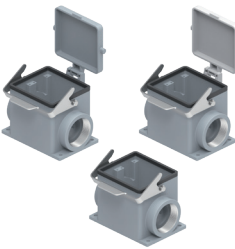
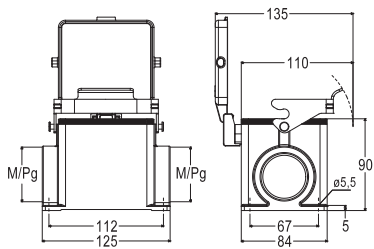
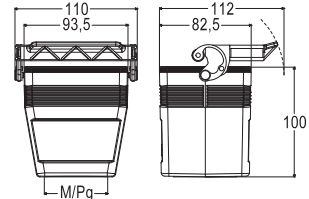
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CHI 32 L	CHI 32 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MHP 32 L40 MHP 32 L240 MHP 32 L50 MHP 32 L250 CHP 32 L29 CHP 32 L229 CHP 32 L CHP 32 L2 CHP 32 L42 CHP 32 L242	MHP 32 LS40 MHP 32 LS240 MHP 32 LS50 MHP 32 LS250 CHP 32 LS29 CHP 32 LS229 CHP 32 LS CHP 32 LS2 CHP 32 LS42 CHP 32 LS242	M40 M40 × 2 M50 M50 × 2 Pg 29 Pg 29 × 2 Pg 36 Pg 36 × 2 Pg 42 Pg 42 × 2	
	Bulkhead mounting housings, 1 stainless steel rigid lever and gasket, with or without metal or plastic cover Enclosures with plastic cover do not have UL approval	Metal cover CHIX 32 LS Without cover CHIX 32 L	Plastic cover CHIX 32 LP		
	Surface mounting housings, 1 stainless steel rigid lever and gasket, with or without metal or plastic cover Enclosures with plastic cover do not have UL approval	Metal cover MHPX 32 LS40 CHPX 32 LS29 CHPX 32 LS Without cover MHPX 32 L40 CHPX 32 L29 CHPX 32 L	Plastic cover MHPX 32 LP40 MHPX 32 LP50 CHPX 32 LP29 CHPX 32 LP	M40 M50 Pg 29 Pg 36 M40 Pg 29 Pg 36	
	Hoods, 1 lever and gasket, top entry To be used only with a complete cable gland		Top entry MFV 32 LG40 CFV 32 LG	M42 Pg 36	

Inserts size (77.27) × 2	Poles	Pages	Inserts size (77.27) × 2	Poles	Pages
CNE	16 A	32 + ⊕ B.42	CSS	16 A	32 + ⊕ B.122
CCE	16 A	32 + ⊕ B.48	CTSE*	16 A	32 + ⊕ B.134
CSH / JSH S	16 A	32 + ⊕ B.56,62	CMCE / CMSH	16 A	12 + 4 (aux.) + ⊕ B.147,152
CQE / CQEY	16 A	64 + ⊕ B.76,86	*can be used only in bulkhead mounting housings		
CD	10 A	80 + ⊕ B.92			
CDD	10 A	144 + ⊕ B.98			
CDSH	10 A	54 + ⊕ B.106			
CP / CPY	35 A	12 + ⊕ B.113,115			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 04 T (4-slot sized MIXO frames) × 2		C.95

size **77.62**

Heavy-Duty Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side or top entry To be used only with a complete cable gland	MFO 32 L40 CFO 32 L	MFV 32 L40 CFO 32 L	M40 Pg 36	

Inserts size (77.27) × 2		Poles 	Pages
CNE	16 A	32 + 	B.42
CCE	16 A	32 + 	B.48
CSH / JSH S	16 A	32 + 	B.56,62
CQE / CQEY	16 A	64 + 	B.76,86
CD	10 A	80 + 	B.92
CDD	10 A	144 + 	B.98
CDSH	10 A	54 + 	B.106
CP / CPY	35 A	12 + 	B.113,115

Inserts size (77.27) × 2		Poles 	Pages
CSS	16 A	32 + 	B.122
CMCE / CMSH	16 A	12 + 4 (aux.) + 	B.147,152

MIXO Modular Inserts		Pages
MIXO Modules		C.12-93
CX 04 T (4-slot sized MIXO frames) × 2		C.95

C-TYPE series

Housings and hoods – 2 levers – with gasket

size **77.62**

Heavy-Duty Applications



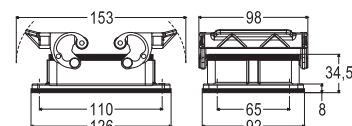
CE UK
CA



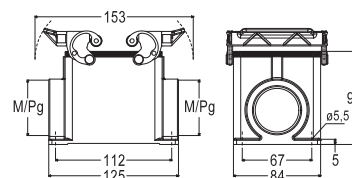
ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

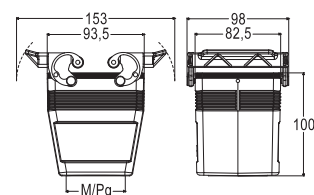
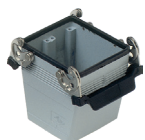
Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHI 32			



	Surface mounting housings, 2 levers and gasket	MHP 32.40 MHP 32.240 MHP 32.50 MHP 32.250 CHP 32.29 CHP 32.229 CHP 32 CHP 32.2 CHP 32.42 CHP 32.242	M40 M40 × 2 M50 M50 × 2 Pg 29 Pg 29 × 2 Pg 36 Pg 36 × 2 Pg 42 Pg 42 × 2
---	---	---	---



	Hoods, 2 levers and gasket, top entry To be used only with a complete cable gland	Top entry MFV 32 G32 MFV 32 G40 MFV 32 G50 CFV 32 G29 CFV 32 G CFV 32 G42	M32 M40 M50 Pg 29 Pg 36 Pa 42	
---	---	--	---	---



Inserts size (77.27) × 2	Poles 	Pages	Inserts size (77.27) × 2	Poles 	Pages
CNE 16 A	32 + ⊕	B.42	CSS 16 A	32 + ⊕	B.122
CCE 16 A	32 + ⊕	B.48	CTSE* 16 A	32 + ⊕	B.134
CSH / JSH S 16 A	32 + ⊕	B.56,62	CMCE / CMSH 16 A	12 + 4 (aux.) + ⊕	B.147,152
CQE / CQEY 16 A	64 + ⊕	B.76,86	*can be used only in bulkhead mounting housings		
CD 10 A	80 + ⊕	B.92			
CDD 10 A	144 + ⊕	B.98			
CDSH 10 A	54 + ⊕	B.106			
CP / CPY 35 A	12 + ⊕	B.113,115			

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames) × 2	C.95

size **77.62**

Heavy-Duty Applications

CE UK
CA

cac

DNV

BUREAU
VERITAS

CSUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side or top entry	MFO 32.32 MFO 32.40 MFO 32.50	MFV 32.32 MFV 32.40 MFV 32.50	M32 M40 M50	
	To be used only with a complete cable gland	CFO 32.29 CFV 32 CFO 32.42	CFV 32.29 CFV 32 CFV 32.42	Pg 29 Pg 36 Pg 42	

Inserts size (77.27) × 2		Poles	Pages
CNE	16 A	32 + ⊕	B.42
CCE	16 A	32 + ⊕	B.48
CSH / JSH S	16 A	32 + ⊕	B.56,62
CQE / CQEY	16 A	64 + ⊕	B.76,86
CD	10 A	80 + ⊕	B.92
CDD	10 A	144 + ⊕	B.98
CDSH	10 A	54 + ⊕	B.106
CP / CPY	35 A	12 + ⊕	B.113,115

Inserts size (77.27) × 2		Poles	Pages
CSS	16 A	32 + ⊕	B.122
CMCE / CMSh	16 A	12 + 4 (aux.) + ⊕	B.147,152

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames) × 2	C.95

C-TYPE series

Housings – 4 pegs – with gasket

Hoods – 2 levers – without gasket

size **77.62**

Heavy-Duty Applications

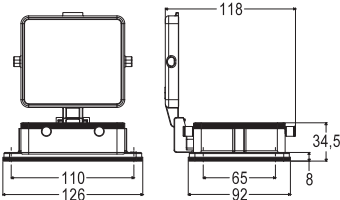
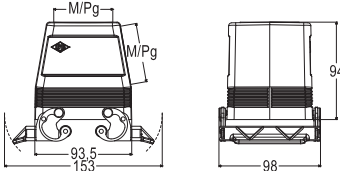


CE UK
CA



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

UL[®] **US** ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 4 pegs and gasket, with metal cover		CHI 32 CS		
	Hoods, 2 levers, without gasket, side or top entry To be used only with a complete cable gland	Side entry MFO 32 X40 CFO 32 X	Top entry MFV 32 X40 CFV 32 X	M40 Pg 36	

Inserts size (77.27) × 2	Poles 	Pages
CNE 16 A	32 + ⊕	B.42
CCE 16 A	32 + ⊕	B.48
CSH / JSH S 16 A	32 + ⊕	B.56,62
CQE / CQEY 16 A	64 + ⊕	B.76,86
CD 10 A	80 + ⊕	B.92
CDD 10 A	144 + ⊕	B.98
CDSH 10 A	54 + ⊕	B.106
CP / CPY 35 A	12 + ⊕	B.113,115

Inserts size (77.27) × 2	Poles 	Pages
CSS 16 A	32 + ⊕	B.122
CTSE* 16 A	32 + ⊕	B.134
CMCE / CMSH 16 A	12 + 4 (aux.) + ⊕	B.147,152

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames) × 2	C.95

C-TYPE series

Covers

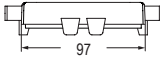
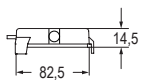
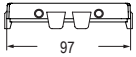
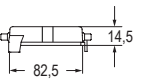
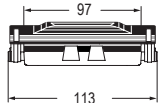
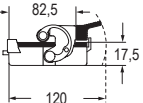
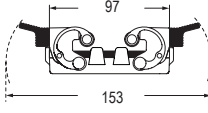
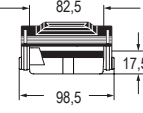
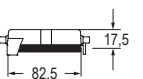
size **77.62**
**Heavy-Duty
Applications**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	With loop	With eyelet	Entry	Dimension
	Covers, 2 pegs, without gasket For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 	CHC 32 SL	CHC 32 L		 
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	CHC 32 S	CHC 32		 
	Covers, 1 lever and gasket For enclosures with 2 pegs without gasket with loop for hoods 	CHC 32 LG			 
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHC 32 G			 
	Covers, 4 pegs and gasket For enclosures with 2 levers without gasket with loop for hoods 	CHC 32 C			 



C-TYPE series

Housings – 1 lever – with gasket

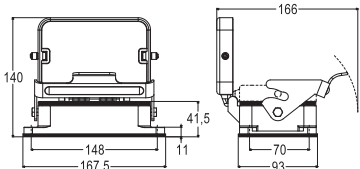
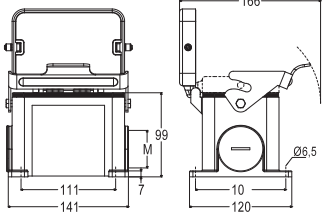
size **104.62****Heavy-Duty
Applications**

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 stainless steel rigid lever and gasket, with or without metal cover	CHI 48 L	CHI 48 LS		
	Surface mounting housings, 1 stainless steel rigid lever and gasket, with metal cover		MHP 48 LS40 MHP 48 LS50 CHP 48 LS29 CHP 48 LS	M40 × 2 M50 × 2 Pg 29 × 2 Pg 36 × 2	

Inserts size (104.27) × 2	Poles		Pages	Inserts size (104.27) × 2	Poles		Pages
CNE	16 A	48 + ⊕	B.43	CTSE*	16 A	48 + ⊕	B.135
CCE	16 A	48 + ⊕	B.49	CMCE / CMSH	16 A	10 + 2 (aux.) + ⊕	B.148,153
CSH / JSH S	16 A	48 + ⊕	B.57,63	*can be used only in bulkhead mounting housings			
CQE / CQEY	16 A	92 + ⊕	B.77,87				
CD	10 A	128 + ⊕	B.93				
CDD	10 A	216 + ⊕	B.99				
CDSH	10 A	84 + ⊕	B.107				
CSS	16 A	48 + ⊕	B.123				
				MIXO Modular Inserts		Pages	
				MIXO modules		C.12-93	
				CX 06 T (6-slot sized MIXO frames) × 2		C.95	

size **104.62**

Heavy-Duty Applications

CE UK
CA

CQC

DNV

BUREAU
VERITAS

UL[®] **US** ECBT2.E115072 | ECBT8.E115072

C-TYPE

E

dimensions shown in mm are not binding and may be changed without notice

Panel cut-out drawings

For C-TYPE series bulkhead mounting housings

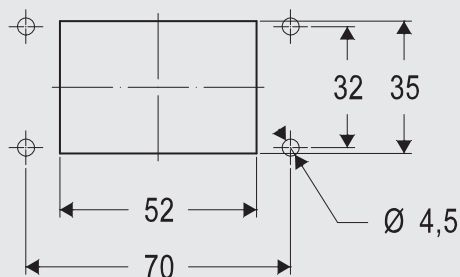
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16 \text{ }\mu\text{m}$

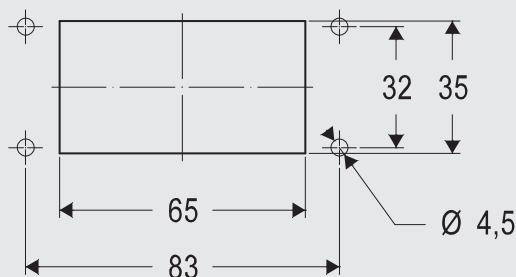
Scale 1:2

Size 44.27



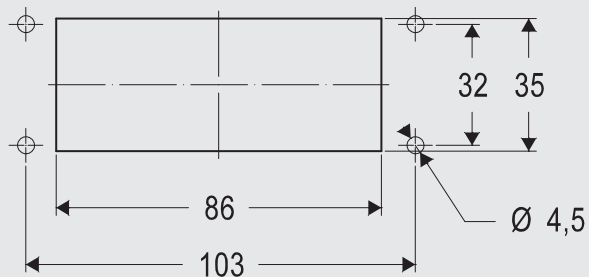
Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



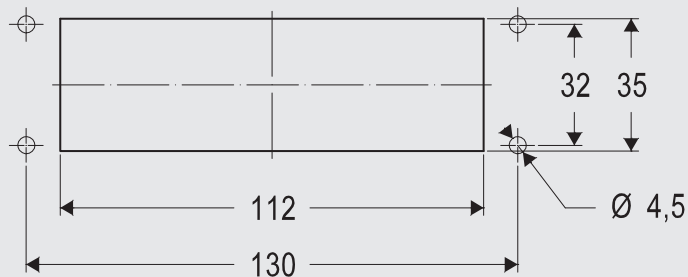
Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For C-TYPE series bulkhead mounting housings

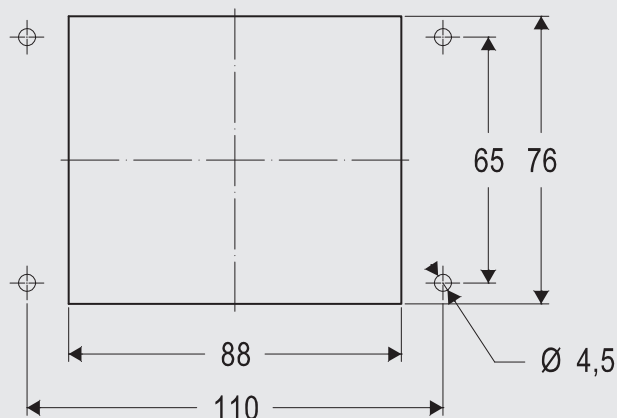
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16 \text{ } \mu\text{m}$

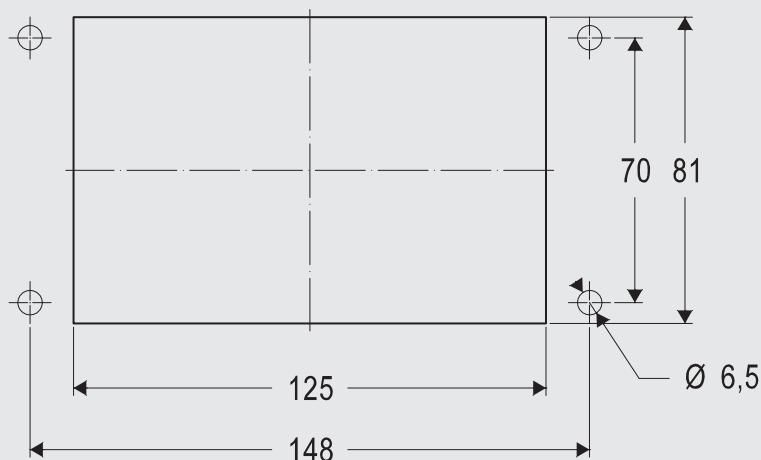
Scale 1:2

Size 77.62



Required screws: 4
Screws size: M4
Recommended torque:
1,2 – 1,8 Nm / 10.6 – 15.9 lb.in

Size 104.62



Required screws: 4
Screws size: M6
Recommended torque:
3,0 – 3,6 Nm / 26.6 – 31.9 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

IL-BRID

Soft closing, strong hold



Standard enclosures with IL-BRID levers

Specific industrial applications demand the design of equally customized connection solutions capable of covering each distinct installation requirement.

Among the enclosures' locking systems introduced by ILME in its product offer, the IL-BRID mechanism, a lever in thermoplastic material with a stainless-steel core, combines the technical characteristics of both these materials for durable but significantly low-wear design.



SUM-UP

CL – ML series

- > Made of die cast aluminium alloy
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel resistant vinyl nitrile elastomer
- > IL-BRID locking device in self-extinguishing thermoplastic material and stainless steel core
- > Ambient temperature range: -40 °C / +125 °C

≡ Markings and Approvals

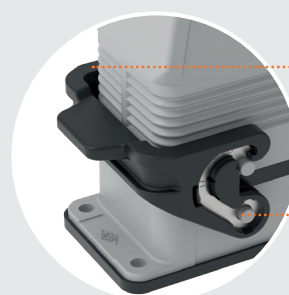
- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP69 degree of protection
- RoHS: compliant

FOCUS

Levers and technology

The IL-BRID mechanism, a lever made of thermoplastic with a stainless-steel core, combines the technical characteristics of both materials for a durable but significantly low-wear design.

The IL-BRID locking lever is compatible with the entire range of ILME enclosures with pegs (in single or double-lever configuration) and offers an IP65 or IP66 / IP69 degree of protection, depending on the model.



▶ Thermoplastic handle

▶ Stainless-steel core

▶ V-shaped ribs to improve stiffness of handles



▶ Soft closing 1st touch



▶ Strong hold 2nd touch



IL-BRID series

Housings and covers – 1 lever – with gasket

size **44.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CLI 06 L	CLI 06 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MLP 06 L20 MLP 06 L220	MLP 06 LS20 MLP 06 LS220	M20 M20 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover high construction To be used only with a complete cable gland	MLAP 06 L25 MLAP 06 L225 MLAP 06 L32 MLAP 06 L232 MLAP 06 L40 MLAP 06 L240	MLAP 06 LS32 MLAP 06LS232 MLAP 06 LS40 MLAP 06LS240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Covers, 1 lever and gasket For enclosures with 2 pegs without gasket with loop for hoods	CLC 06 LG			

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:

Hoods
Page E.49Covers
Page E.52

IL-BRID series

Hoods – 1 lever – with gasket

size **44.27**
**Heavy-Duty
Applications**

CE UK

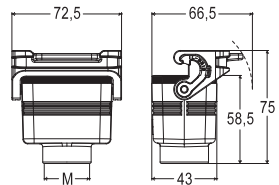
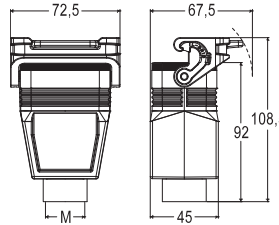
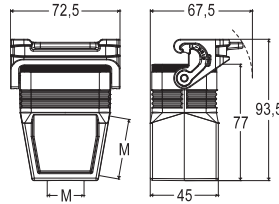
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 1 lever and gasket, top entry		MLV 06 LG25	M25	
	Hoods, 1 lever and gasket, top entry, high construction, with metal adapter		MLAV 06 LG25 MLAV 06 LG32	M25 M32	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 06 LG40	MLFV 06 LG25 MLFV 06 LG32 MLFV 06 LG40	M25 M32 M40	

IL-BRID

E

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:


Hoods
Page E.49

Covers
Page E.52

IL-BRID series

Housings and covers – 1 lever – with gasket

size **57.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CLI 10 L	CLI 10 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MLP 10 L20 MLP 10 L220	MLP 10 LS20 MLP 10 LS220	M20 M20 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover high construction	MLAP 10 L32 MLAP 10 L232 MLAP 10 L40 MLAP 10 L240	MLAP 10 LS32 MLAP 10 LS232 MLAP 10 LS40 MLAP 10 LS240	M32 M32 × 2 M40 M40 × 2	
	Covers, 1 lever and gasket	CLC 10 LG			
	For enclosures with 2 pegs without gasket with loop for hoods				

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:

Hoods
Page E.55Covers
Page E.60

IL-BRID series

Hoods – 1 lever – with gasket

size **57.27**
**Heavy-Duty
Applications**

CE UK

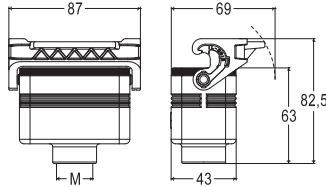
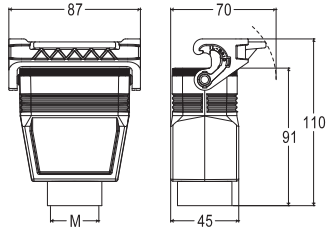
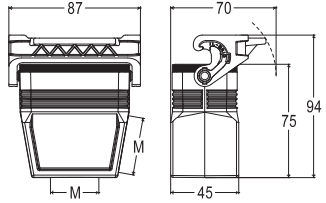
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 1 lever and gasket, top entry		MLV 10 LG25	M25	
	Hoods, 1 lever and gasket, top entry, high construction, with metal adapter		MLAV 10 LG25 MLAV 10 LG32	M25 M32	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 06 LG40	MLFV 10 LG25 MLFV 10 LG32 MLFV 10 LG40	M25 M32 M40	

IL-BRID

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:


Hoods
Page E.55

Covers
Page E.60

IL-BRID series

Housings and covers – 2 levers – with gasket

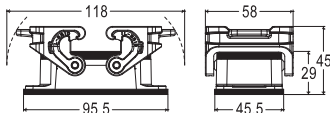
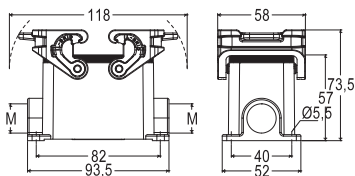
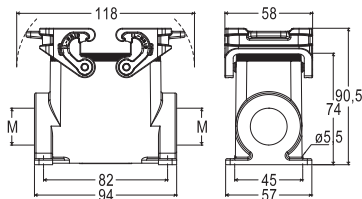
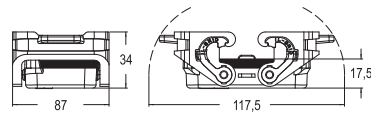
size **57.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CLI 10		
	Surface mounting housings, 2 levers and gasket	MLP 10.20 MLP 10.220	M20 M20 × 2	
	Surface mounting housings, 2 levers and gasket, high construction	MLAP 10.25 MLAP 10.225 MLAP 10.32 MLAP 10.232 MLAP 10.40 MLAP 10.240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Covers, 2 levers and gasket	CLC 10 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:


Hoods
Page E.57,61

Covers
Page E.60

IL-BRID series

Hoods – 2 levers – with gasket

size **57.27**
**Heavy-Duty
Applications**

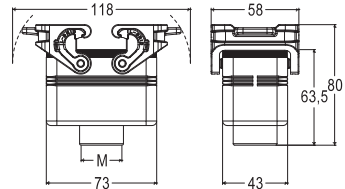
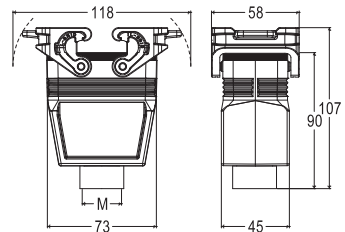
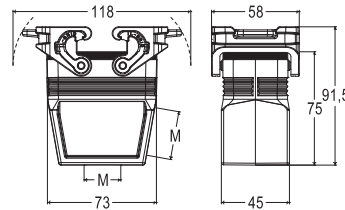
CE UK


(pending CQC)



ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers and gasket, top entry		MLV 10 G25	M25	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter		MLAV 10 G25 MLAV 10 G32 MLAV 10 G40	M25 M32 M40	
 	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 10 G40	MLFV 10 G25 MLFV 10 G32 MLFV 10 G40	M25 M32 M40	

IL-BRID

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 03 T (3-slot sized MIXO frames)	C.95

Complete with:


Hoods
Page E.57,61

Covers
Page E.60

IL-BRID series

Housings and covers – 1 lever – with gasket

size **77.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CLI 16 L	CLI 16 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MLP 16 L25 MLP 16 L225	MLP 16 LS25 MLP 16 LS225	M25 M25 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover high construction	MLAP 16 L32 MLAP 16 L232 MLAP 16 L40 MLAP 16 L240	MLAP 16 LS32 MLAP 16 LS232 MLAP 16 LS40 MLAP 16 LS240	M32 M32 × 2 M40 M40 × 2	
	Covers, 1 lever and gasket	CLC 16 LG			
	For enclosures with 2 pegs without gasket with loop for hoods				

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Complete with:

Hoods
Page E.63Covers
Page E.68

IL-BRID series

Hoods – 1 lever – with gasket

size **77.27**
**Heavy-Duty
Applications**

CE UK

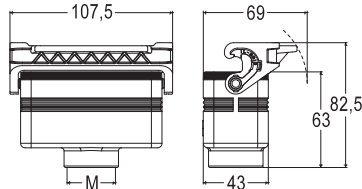
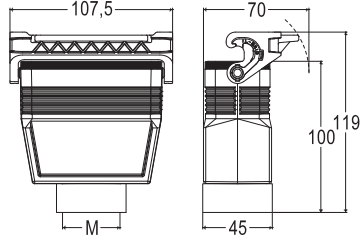
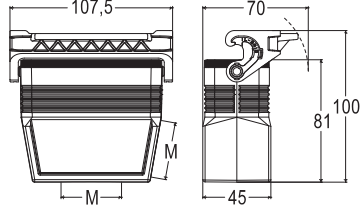
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 1 lever and gasket, top entry		MLV 16 LG32	M32	
	Hoods, 1 lever and gasket, top entry, high construction, with metal adapter		MLAV 16 LG25 MLAV 16 LG32 MLAV 16 LG40	M25 M32 M40	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 16 LG40	MLFV 16 LG25 MLFV 16 LG32 MLFV 16 LG40	M25 M32 M40	

IL-BRID

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84					
CQEE 16 A	40 + ⊕	B.78	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

Complete with:


Hoods
Page E.63

Covers
Page E.68

IL-BRID series

Housings and covers – 2 levers – with gasket

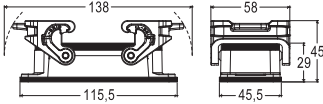
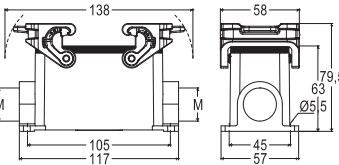
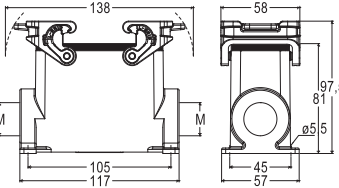
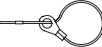
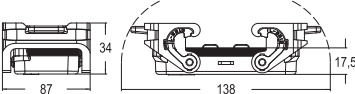
size **77.27**
**Heavy-Duty
Applications**


CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CLI 16		
	Surface mounting housings, 2 levers and gasket	MLP 16.25 MLP 16.225	M25 M25 × 2	
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	MLAP 16.25 MLAP 16.225 MLAP 16.32 MLAP 16.232 MLAP 16.40 MLAP 16.240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CLC 16 G		

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEQ 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Complete with:


Hoods
Page E.65,69

Covers
Page E.68

IL-BRID series

Hoods – 2 levers – with gasket

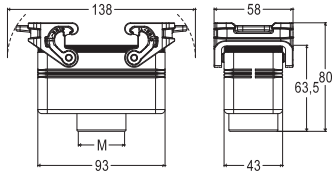
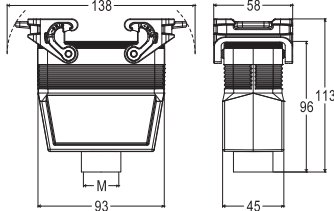
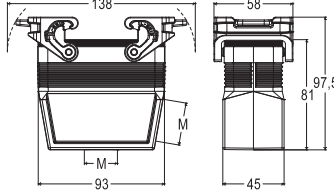
size **77.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers and gasket, top entry		MLV 16 G32	M32	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter		MLAV 16 G25 MLAV 16 G32 MLAV 16 G40	M25 M32 M40	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 16 G40	MLFV 16 G25 MLFV 16 G32 MLFV 16 G40	M25 M32 M40	

IL-BRID

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84					
CQEE 16 A	40 + ⊕	B.78	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

Complete with:


Hoods
Page E.65,69

Covers
Page E.68

IL-BRID series

Housings and covers – 1 lever – with gasket

size **104.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	CLI 24 L	CLI 24 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	MLP 24 L25 MLP 24 L225	MLP 24 LS25 MLP 24 LS225	M25 M25 × 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover high construction	MLAP 24 L32 MLAP 24 L232 MLAP 24 L40 MLAP 24 L240	MLAP 24 LS32 MLAP 24 LS232 MLAP 24 LS40 MLAP 24 LS240	M32 M32 × 2 M40 M40 × 2	
	Covers, 1 lever and gasket	CLC 24 LG			
	For enclosures with 2 pegs without gasket with loop for hoods				

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEQ 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

Complete with:

Hoods
Page E.71Covers
Page E.76

IL-BRID series

Hoods – 1 lever – with gasket

size **104.27**
**Heavy-Duty
Applications**

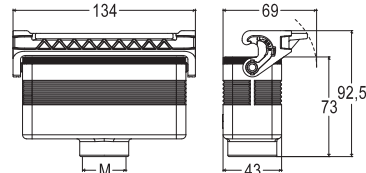
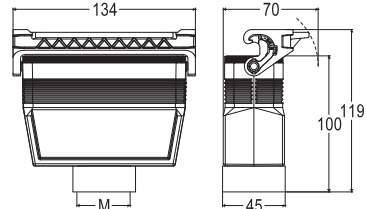
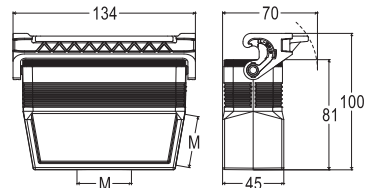
CE UK


(pending CQC)



ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 1 lever and gasket, top entry		MLV 24 LG32	M32	
	Hoods, 1 lever and gasket, top entry, high construction, with metal adapter		MLAV 24 LG25 MLAV 24 LG32 MLAV 24 LG40	M25 M32 M40	
 	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 24 LG40	MLFV 24 LG25 MLFV 24 LG32 MLFV 24 LG40	M25 M32 M40	

IL-BRID

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:


Hoods
Page E.71

Covers
Page E.76

IL-BRID series

Housings and covers – 2 levers – with gasket

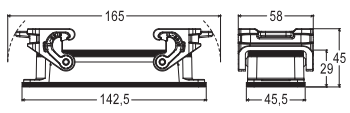
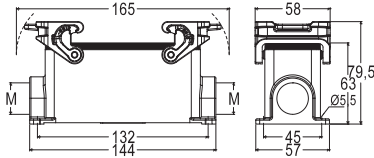
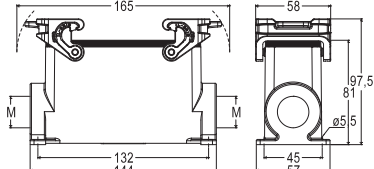
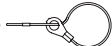
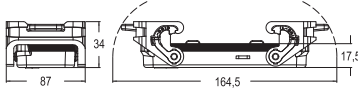
size **104.27**
**Heavy-Duty
Applications**


CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CLI 24		
	Surface mounting housings, 2 levers and gasket	MLP 24.25 MLP 24.225	M25 M25 × 2	
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	MLAP 24.25 MLAP 24.225 MLAP 24.32 MLAP 24.232 MLAP 24.40 MLAP 24.240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CLC 24 G		

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEQ	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:


Hoods
Page E.73,77

Covers
Page E.76

IL-BRID series

Hoods – 2 levers – with gasket

size **104.27**
**Heavy-Duty
Applications**

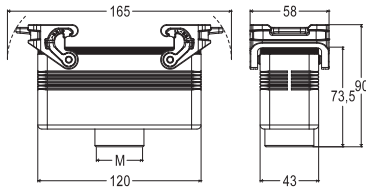
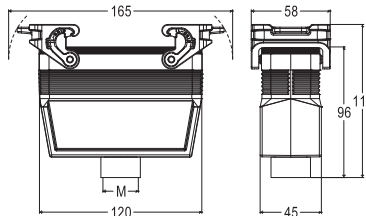
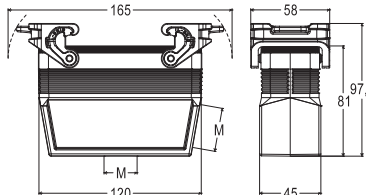
CE UK


(pending CQC)



ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 levers and gasket, top entry		MLV 24 G32	M32	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter		MLAV 24 G25 MLAV 24 G32 MLAV 24 G40	M25 M32 M40	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	MLFO 24 G40	MLFV 24 G25 MLFV 24 G32 MLFV 24 G40	M25 M32 M40	

IL-BRID

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:


Hoods
Page E.73,77

Covers
Page E.76



IL-BRID series

Hoods – 1 lever – without gasket

size **44.27****Heavy-Duty
Applications****CE UK**

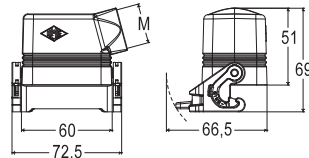
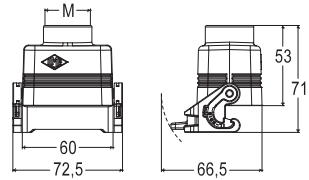
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 1 lever, without gasket, side entry	MLO 06 LX20 MLO 06 LX25	M20 M25	
	Hoods, 1 lever, without gasket, top entry	MLV 06 LX20 MLV 06 LX25	M20 M25	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ⊕	B.38	
CCE	16 A	6 + ⊕	B.44	
CSH / JSH S	16 A	6 + ⊕	B.52,58	
CQE / CQEY	16 A	10 + ⊕	B.72,82	
CDD	10 A	24 + ⊕	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108	
CSS	16 A	6 + ⊕	B.118	

Complete with:**Housings**
Page E.50**Covers**
Page E.52

IL-BRID series

Hoods – 2 levers – without gasket

size **57.27**Heavy-Duty
Applications

CE UK

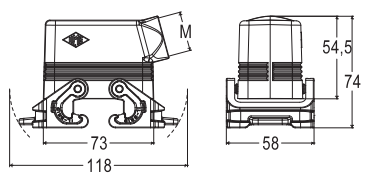
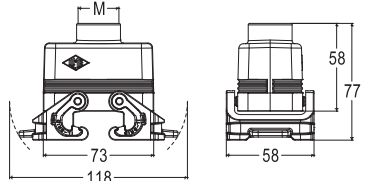
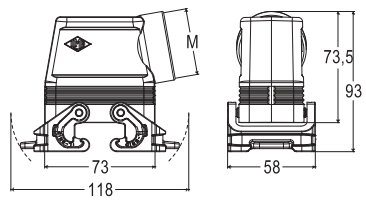
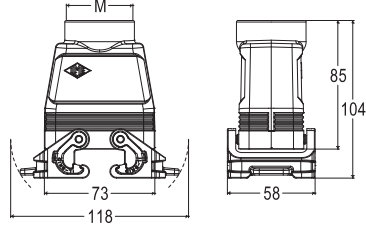
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry	MLO 10 X20 MLO 10 X25	M20 M25	
	Hoods, 2 levers, without gasket, top entry	MLV 10 X20 MLV 10 X25	M20 M25	
	Hoods, 2 levers, without gasket, side entry, high construction	MLAO 10 X32 MLAO 10 X40	M32 M40	
	Hoods, 2 levers, without gasket, top entry, high construction	MLAV 10 X32 MLAV 10 X40	M32 M40	

IL-BRID

E

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39
CCE	16 A	10 + ☉ B.45
CSH / JSH S	16 A	10 + ☉ B.53,59
CSHT	16 A	10 + ☉ B.66
CQE / CQEY	16 A	18 + ☉ B.73,83
CDD	10 A	42 + ☉ B.95
CDSH	10 A	18 + ☉ B.103
CSS	16 A	10 + ☉ B.119

Inserts size 57.27	Poles	Pages
CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CX	40 A/10 A	8/24 + ☉ B.170-171
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:

Housings
Page E.58Covers
Page E.60

IL-BRID series

Hoods – 2 levers – without gasket

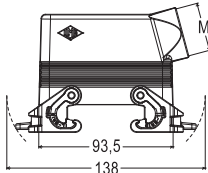
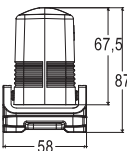
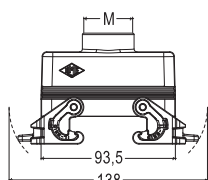
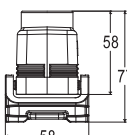
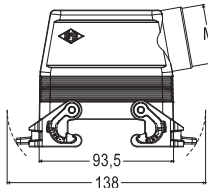
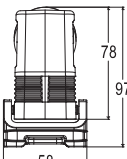
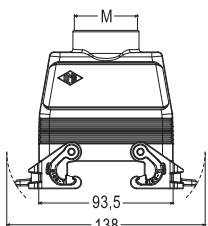
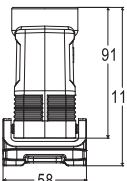
size **77.27**
**Heavy-Duty
Applications**


CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry	MLO 16 X25 MLO 16 X32	M25 M32	 
	Hoods, 2 levers, without gasket, top entry	MLV 16 X25 MLV 16 X32	M25 M32	 
	Hoods, 2 levers, without gasket, side entry, high construction	MLAO 16 X32 MLAO 16 X40	M32 M40	 
	Hoods, 2 levers, without gasket, top entry, high construction	MLAV 16 X32 MLAV 16 X40	M32 M40	 

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEQ	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Complete with:


Housings
Page E.66

Covers
Page E.68

IL-BRID series

Hoods – 2 levers – without gasket

size **104.27**
**Heavy-Duty
Applications**

CE UK

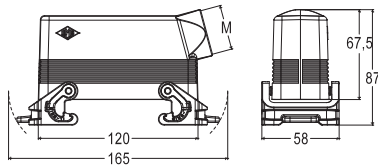
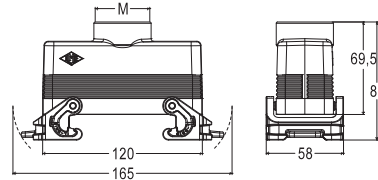
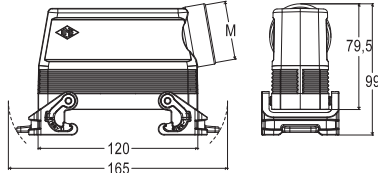
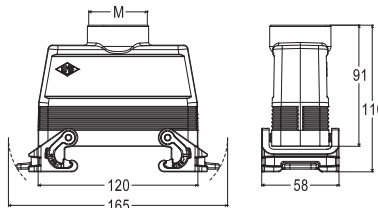
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 2 levers, without gasket, side entry	MLO 24 X25 MLO 24 X32	M25 M32	
	Hoods, 2 levers, without gasket, top entry	MLV 24 X25 MLV 24 X32	M25 M32	
	Hoods, 2 levers, without gasket, side entry, high construction	MLAO 24 X32 MLAO 24 X40	M32 M40	
	Hoods, 2 levers, without gasket, top entry, high construction	MLAV 24 X32 MLAV 24 X40	M32 M40	

IL-BRID

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:


Housings
Page E.74

Covers
Page E.76

Panel cut-out drawings

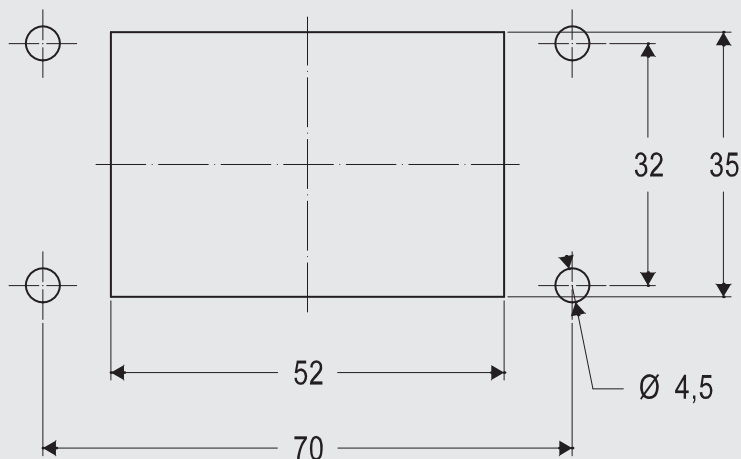
For IL-BRID series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm (measured on the panel without load)
Roughness $R_a \leq 16 \text{ }\mu\text{m}$

Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For IL-BRID series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μ m

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



JEI®-P enclosures



Standard enclosures with JEI®-P levers

The JEI®-P enclosure series features a fully thermoplastic locking lever, whose design is derived from the IL-BRID locking lever(s).

The series covers the standard enclosure sizes 44.27, 57.27, 77.27, and 104.27 with single and double levers, resulting in a versatile and ergonomic space-saving solution, allowing multiple installations side by side.

SUM-UP

JP – JMP series

- > Made of die cast aluminium alloy
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel resistant vinyl nitrile elastomer
- > JEP®-P locking device in self-extinguishing thermoplastic material
- > Ambient temperature range: -40 °C / +125 °C

≡ Markings and Approvals

- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 degree of protection
- RoHS: compliant

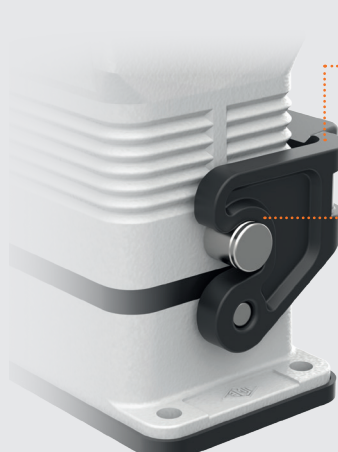
FOCUS

Levers and technology

Single-block locking lever in self-extinguishing thermoplastic material with enhanced ergonomics and reduced dimension, ideal for basic requirements and less demanding environments.



- ▶ Space saving design for a compact footprint



Thermoplastic lever

Contour of lever hooks adapted to larger Ø pegs

- ▶ V-shaped ribs to improve stiffness of handles on enclosures with single lever



JEI®-P series

Housings and hoods – 1 lever – with gasket

size **44.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	JPI 06 L	JPI 06 LS		
	Surface mounting housings, 1 lever and gasket	JMPP 06 L20 JMPP 06 L220		M20 M20 × 2	
	Surface mounting housings, 1 lever and gasket, high construction To be used only with a complete cable gland	JMPAP 06 L25 JMPAP 06 L225 JMPAP 06 L32 JMPAP 06 L232 JMPAP 06 L40 JMPAP 06 L240		M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry JMPV 06 LG25	M25	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland		Side entry Top entry JMPFV 06LG25 JMPFV 06LG32 JMPFO 06LG40 JMPFV 06LG40	M25 M32 M40	

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:


Hoods
Page E.49

Covers
Page E.52

size **57.27**

Heavy-Duty Applications

CE UK
CA

  (pending CQC)

UL[®] **US** ECBT2.E115072 | ECBT8.E115072

JEI®-P

F

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☺ B.39	CT / CTSE*	16 A	10 + ☺ B.127,131
CCE	16 A	10 + ☺ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☺ B.144,149
CSH / JSH S	16 A	10 + ☺ B.53,59	CX	40 A/10 A	8/24 + ☺ B.170-171
CSHT	16 A	10 + ☺ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☺ B.73,83	MIXO Modular Inserts		
CDD	10 A	42 + ☺ B.95			Pages
CDSH	10 A	18 + ☺ B.103	MIXO modules		C.12-93
CSS	16 A	10 + ☺ B.119	CX 03 T (3-slot sized MIXO frames)		C.95



Covers
Page E.60

JEI®-P series

Housings and hoods – 2 levers – with gasket

size **57.27**

Heavy-Duty Applications

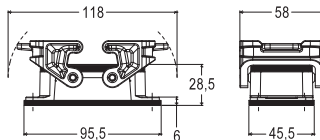
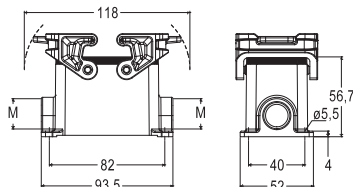
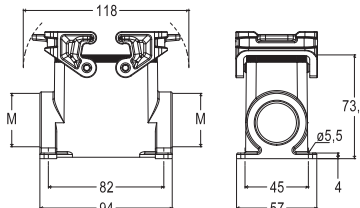
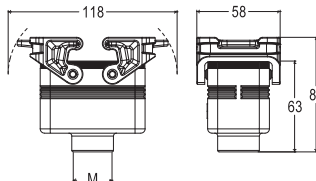
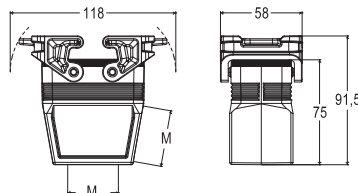


CE UK
CA

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

  (pending CQC)

CE  **US** ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension																																																																							
	Bulkhead mounting housings, 2 levers and gasket	JPI 10																																																																									
	Surface mounting housings, 2 levers and gasket	JMPP 10.20 JMPP 10.220	M20 M20 × 2																																																																								
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	JMPAP 10.25 JMPAP 10.225 JMPAP 10.32 JMPAP 10.232 JMPAP 10.40 JMPAP 10.240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2																																																																								
	Hoods, 2 levers and gasket, top entry	JMPV 10 G25	Top entry M25																																																																								
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry JMPFO 10 G40	Top entry JMPFV 10 G25 JMPFV 10 G32 JMPFV 10 G40	M25 M32 M40 																																																																							
<table><tr><th>Inserts size 57.27</th><th>Poles</th><th>Pages</th><th>Inserts size 57.27</th><th>Poles</th><th>Pages</th></tr><tr><td>CNE</td><td>16 A</td><td>10 + ☉</td><td>B.39</td><td>CT / CTSE*</td><td>16 A</td><td>10 + ☉</td><td>B.127,131</td></tr><tr><td>CCE</td><td>16 A</td><td>10 + ☉</td><td>B.45</td><td>CMCE / CMSH</td><td>16 A</td><td>3 + 2 (aux.) + ☉</td><td>B.144,149</td></tr><tr><td>CSH / JSH S</td><td>16 A</td><td>10 + ☉</td><td>B.53,59</td><td>CX</td><td>40 A/10 A</td><td>8/24 + ☉</td><td>B.170-171</td></tr><tr><td>CSHT</td><td>16 A</td><td>10 + ☉</td><td>B.66</td><td colspan="3">*can be used only in bulkhead mounting housings</td></tr><tr><td>CQE / CQEY</td><td>16 A</td><td>18 + ☉</td><td>B.73,83</td><td colspan="3"></td></tr><tr><td>CDD</td><td>10 A</td><td>42 + ☉</td><td>B.95</td><td colspan="3"></td></tr><tr><td>CDSH</td><td>10 A</td><td>18 + ☉</td><td>B.103</td><td colspan="3"></td></tr><tr><td>CSS</td><td>16 A</td><td>10 + ☉</td><td>B.119</td><td colspan="3"></td></tr></table> <table><tr><th>MIXO Modular Inserts</th><th>Pages</th></tr><tr><td>MIXO modules</td><td>C.12-93</td></tr><tr><td>CX 03 T (3-slot sized MIXO frames)</td><td>C.95</td></tr></table>					Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages	CNE	16 A	10 + ☉	B.39	CT / CTSE*	16 A	10 + ☉	B.127,131	CCE	16 A	10 + ☉	B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉	B.144,149	CSH / JSH S	16 A	10 + ☉	B.53,59	CX	40 A/10 A	8/24 + ☉	B.170-171	CSHT	16 A	10 + ☉	B.66	*can be used only in bulkhead mounting housings			CQE / CQEY	16 A	18 + ☉	B.73,83				CDD	10 A	42 + ☉	B.95				CDSH	10 A	18 + ☉	B.103				CSS	16 A	10 + ☉	B.119				MIXO Modular Inserts	Pages	MIXO modules	C.12-93	CX 03 T (3-slot sized MIXO frames)	C.95
Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages																																																																						
CNE	16 A	10 + ☉	B.39	CT / CTSE*	16 A	10 + ☉	B.127,131																																																																				
CCE	16 A	10 + ☉	B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉	B.144,149																																																																				
CSH / JSH S	16 A	10 + ☉	B.53,59	CX	40 A/10 A	8/24 + ☉	B.170-171																																																																				
CSHT	16 A	10 + ☉	B.66	*can be used only in bulkhead mounting housings																																																																							
CQE / CQEY	16 A	18 + ☉	B.73,83																																																																								
CDD	10 A	42 + ☉	B.95																																																																								
CDSH	10 A	18 + ☉	B.103																																																																								
CSS	16 A	10 + ☉	B.119																																																																								
MIXO Modular Inserts	Pages																																																																										
MIXO modules	C.12-93																																																																										
CX 03 T (3-slot sized MIXO frames)	C.95																																																																										
Complete with:  Hoods Page E.57,61  Covers Page E.60																																																																											

JEI®-P series

Housings and hoods – 1 lever – with gasket

size **77.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	JPI 16 L	JPI 16 LS		
	Surface mounting housings, 1 lever and gasket	JMPP 16 L25 JMPP 16 L225		M25 M25 × 2	
	Surface mounting housings, 1 lever and gasket, high construction To be used only with a complete cable gland	JMPAP 16 L25 JMPAP 16 L225 JMPAP 16 L32 JMPAP 16 L232 JMPAP 16 L40 JMPAP 16 L240		M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry JMPV 16 LG32	M32	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland		Side entry Top entry JMPFV 16LG25 JMPFV 16LG32 JMPFO 16LG40 JMPFV 16LG40	M25 M32 M40	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

dimensions shown in mm are not binding and may be changed without notice

Complete with:

Hoods
Page E.63Covers
Page E.68

JEI®-P series

Housings and hoods – 2 levers – with gasket

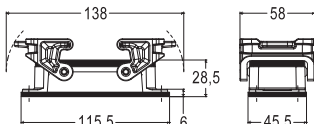
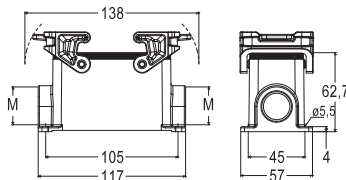
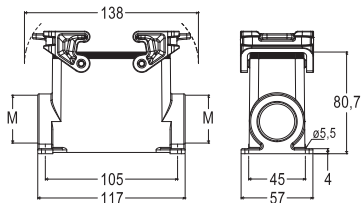
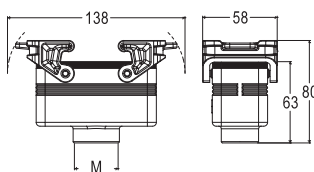
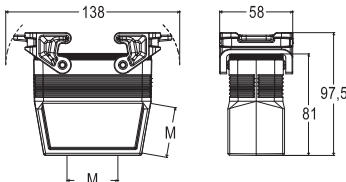
size **77.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	JPI 16		
	Surface mounting housings, 2 levers and gasket	JMPP 16.25 JMPP 16.225	M25 M25 × 2	
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	JMPAP 16.25 JMPAP 16.225 JMPAP 16.32 JMPAP 16.232 JMPAP 16.40 JMPAP 16.240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Hoods, 2 levers and gasket, top entry	JMPV 16 G32	M32	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry JMPFV 16 G25 JMPFV 16 G32 JMPFO 16 G40 Top entry JMPFV 16 G40	M25 M32 M40	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Complete with:

Hoods
Page E.65,69Covers
Page E.68

JEI®-P series

Housings and hoods – 1 lever – with gasket

size **104.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

DNV BUREAU VERITAS (pending CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover	JPI 24 L	JPI 24 LS		
	Surface mounting housings, 1 lever and gasket	JMPP 24 L25 JMPP 24 L225		M25 M25 × 2	
	Surface mounting housings, 1 lever and gasket, high construction To be used only with a complete cable gland	JMPAP 24 L25 JMPAP 24 L225 JMPAP 24 L32 JMPAP 24 L232 JMPAP 24 L40 JMPAP 24 L240		M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Hoods, 1 lever and gasket, top entry		Top entry JMPV 24 LG32	M32	
	Hoods, 1 lever and gasket, side or top entry, high construction To be used only with a complete cable gland		Side entry Top entry JMPFV 24LG25 JMPFV 24LG32 JMPFO 24LG40 JMPFV 24LG40	M25 M32 M40	

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☉ B.121
CT / CTSE*	16 A	24 + ☉ B.129,133
CT / CTS*	10 A	64 + ☉ B.139,141
CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Complete with:

Hoods
Page E.71Covers
Page E.76

JEI®-P series

Housings and hoods – 2 levers – with gasket

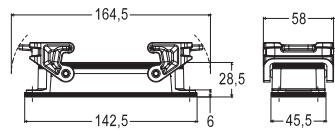
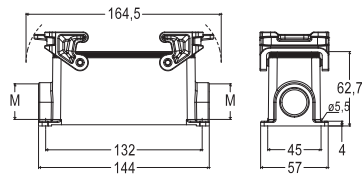
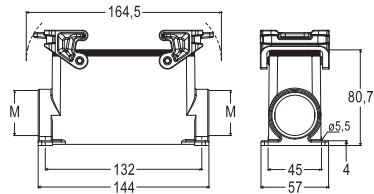
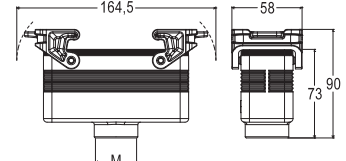
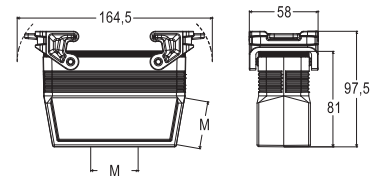
size **104.27**Heavy-Duty
Applications

CE UK

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

DNV BUREAU VERITAS (pending CQC)

CULUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	JPI 24		
	Surface mounting housings, 2 levers and gasket	JMPP 24.25 JMPP 24.225	M25 M25 × 2	
	Surface mounting housings, 2 levers and gasket, high construction To be used only with a complete cable gland	JMPAP 24.25 JMPAP 24.225 JMPAP 24.32 JMPAP 24.232 JMPAP 24.40 JMPAP 24.240	M25 M25 × 2 M32 M32 × 2 M40 M40 × 2	
	Hoods, 2 levers and gasket, top entry	Top entry JMPV 24 G32	M32	
	Hoods, 2 levers and gasket, side or top entry, high construction To be used only with a complete cable gland	Side entry Top entry JMPFV 24 G25 JMPFV 24 G32 JMPFO 24 G40 JMPFV 24 G40	M25 M32 M40	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEY	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:

**Hoods**
Page E.73,77**Covers**
Page E.76

JEI®-P series

Covers – 1 or 2 levers – with gasket

size 44.27 – 104.27

Heavy-Duty
Applications



CE UK



(pending CQC)



ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	1 lever	2 levers	Dimension
	Covers, 1 lever and gasket, size 44.27	JPC 06 LG		
	For enclosures with 2 pegs without gasket with loop for hoods			
	Covers, 1 or 2 levers and gasket, size 57.27	JPC 10 LG	JPC 10 G	
	For enclosures with 2 or 4 pegs without gasket with loop for hoods			
	Covers, 1 or 2 levers and gasket, size 77.27	JPC 16 LG	JPC 16 G	
	For enclosures with 2 or 4 pegs without gasket with loop for hoods			
	Covers, 1 or 2 levers and gasket, size 104.27	JPC 24 LG	JPC 24 G	
	For enclosures with 2 or 4 pegs without gasket with loop for hoods			

Panel cut-out drawings

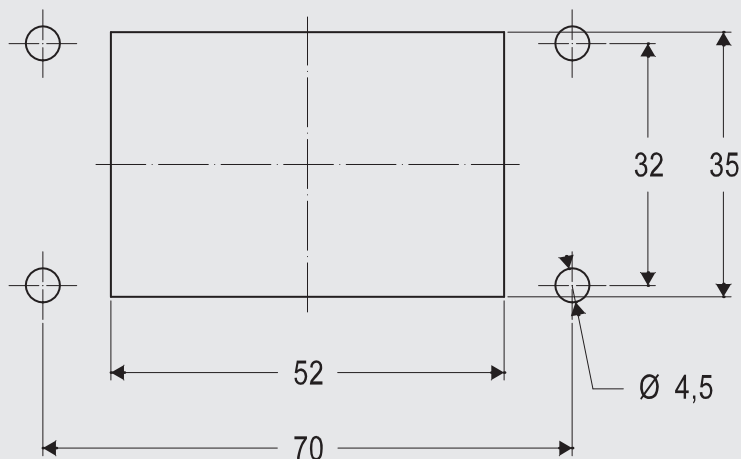
For JEI®-P series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm (measured on the panel without load)
Roughness $R_a \leq 16 \text{ }\mu\text{m}$

Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For JEI®-P series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

V-TYPE

Extra tough



Standard enclosures with V-TYPE levers

The performance requirements in connection protection are increasingly varied and specialized. To respond to this wide range of needs, ILME has developed several original solutions, including the innovative V-TYPE lever.

This proprietary lever, due to the vertical closing movement, offers an IP66 / **IP67** / IP69 degree of protection (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die-cast aluminium moulded (without adapter).

SUM-UP

- > Made of die cast aluminium alloy
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel resistant vinyl nitrile elastomer
- > V-type locking device in stainless-steel
- > Ambient temperature range: -40 °C / +125 °C

≡ Markings and Approvals

- **CE** and **UK** markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP66 / IP67 / IP69 degree of protection
- RoHS: compliant



FOCUS

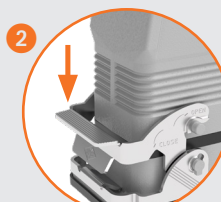
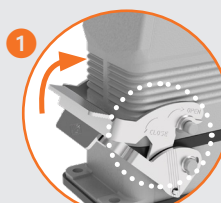
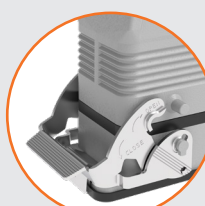
The V-TYPE closing principle consists of a **2-step movement**, thanks to the designed hinged elements pivoted on the housing: **the lever is moved above the housing pegs and then pressed downwards** to engage the locking mechanism.

The tight seal after closure and the simplicity of the movement are the essential attributes that only ILME has managed to combine into a single lever.

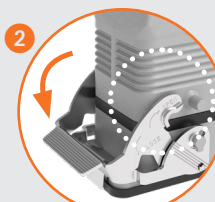
- > High vibration resistance
- > Small overall dimensions
- > Recommended for heavy weight cables or with vertically installed connectors and downwards cable exits

Levers and technology

2-step CLOSING movement ↓



2-step OPENING movement ↑



V-TYPE series – IP67 version

Housings – 1 lever – with gasket

size **44.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500


CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover Optional mounting frame C7 .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7I 06 L	C7I 06 LS		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	M7P 06 L20 M7P 06 L220 C7P 06 L C7P 06 L2	M7P 06 LS20 M7P 06 LS220	M20 M20 x 2 Pg 16 Pg 16 x 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover, high construction	M7AP 06 L32 M7AP 06 L232 M7AP 06 L40 M7AP 06 L240 C7AP 06 L C7AP 06 L2 C7AP 06 L29 C7AP 06 L229	M7AP 06 LS32 M7AP 06 LS232 M7AP 06 LS40 M7AP 06 LS240	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:

Hoods
Page E.49

BIG Hoods
Page E.268

Covers
Page E.52

size **57.27**

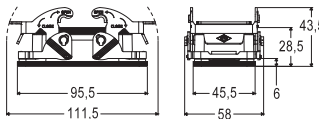
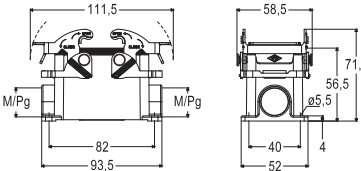
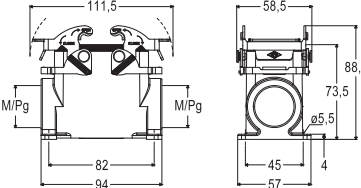
Heavy-Duty Applications



CE UK
CA



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame C7 .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7L 10		
	Surface mounting housings, 2 levers and gasket	M7P 10 20 M7P 10 L220 C7P 10 C7P 10.2	M20 M20 x 2 Pg 16 Pg 16 x 2	
	Surface mounting housings, 2 levers and gasket, high construction	M7AP 10.32 M7AP 10.232 M7AP 10.40 M7AP 10.240 C7AP 10.21 C7AP 10.221 C7AP 10.29 C7AP 10.229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	

V-TYPE – IP67

E

Inserts size 57.27		Poles	Pages	Inserts size 57.27		Poles	Pages
CNE	16 A	10 + ⊕	B.39	CT / CTSE*	16 A	10 + ⊕	B.127,131
CCE	16 A	10 + ⊕	B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ⊕	B.144,149
CSH / JSH S	16 A	10 + ⊕	B.53,59	CX	40 A/10 A	8/24 + ⊕	B.170-171
CSHT	16 A	10 + ⊕	B.66	*can be used only in bulkhead mounting housings			
CQE / CQEY	16 A	18 + ⊕	B.73,83	MIXO Modular Inserts			Pages
CDD	10 A	42 + ⊕	B.95	MIXO modules			C.12-93
CDSH	10 A	18 + ⊕	B.103	CX 03 T (3-slot sized MIXO frames)			C.95
CSS	16 A	10 + ⊕	B.119				



Hoods
Page E.57,61



BIG Hoods
Page E.269

Covers
Page E.60

V-TYPE series – IP67 version

Housings – 2 levers – with gasket

size **77.27**
**Heavy-Duty
Applications**

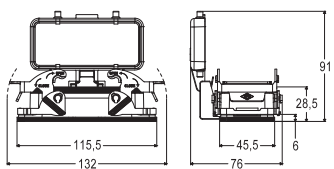
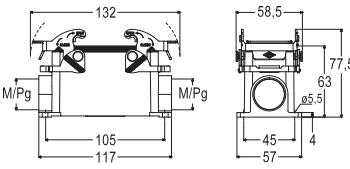
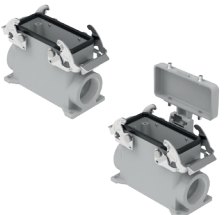
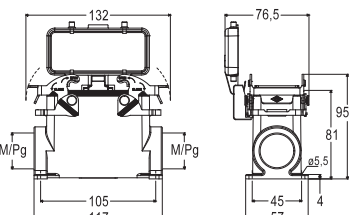

CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket, with or without metal cover Optional mounting frame C7 .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7I 16	C7I 16 S		
	Surface mounting housings, 2 levers and gasket	M7P 16 25 M7P 16 L225 C7P 16 C7P 16.2		M25 M25 x 2 Pg 21 Pg 21 x 2	
	Surface mounting housings, 2 levers and gasket, high construction, with or without metal cover	M7AP 16.32 M7AP 16.232 M7AP 16.40 M7AP 16.240 C7AP 16.21 C7AP 16.221 C7AP 16.29 C7AP 16.229	M7AP 16 S32 M7AP 16 S232	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Complete with:


Hoods
 Page E.65,69

BIG Hoods
 Page E.270

Covers
 Page E.68

V-TYPE series – IP67 version

Housings – 2 levers – with gasket

size **104.27**
**Heavy-Duty
Applications**

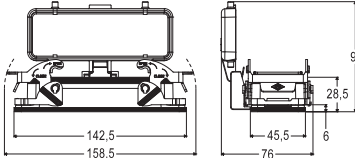
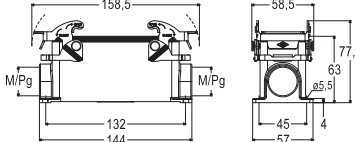
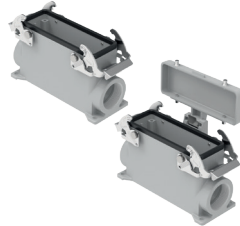
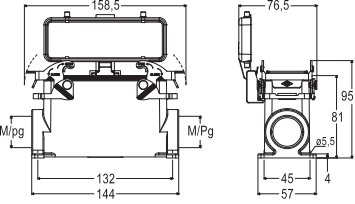

CE UK



EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket, with or without metal cover Optional mounting frame C7 .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7I 24	C7I 24 S		
	Surface mounting housings, 2 levers and gasket	M7P 24 25 M7P 24 L225 C7P 24 C7P 24.2		M25 M25 x 2 Pg 21 Pg 21 x 2	
	Surface mounting housings, 2 levers and gasket, high construction, with or without metal cover	M7AP 24.32 M7AP 24.232 M7AP 24.40 M7AP 24.240 C7AP 24.21 C7AP 24.221 C7AP 24.29 C7AP 24.229	M7AP 24 S32 M7AP 24 S232	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	

V-TYPE – IP67

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

Complete with:


Hoods
Page E.73,77

BIG Hoods
Page E.271

Covers
Page E.76

V-TYPE series – IP65 / IP66 version

Housings – 1 lever – with gasket

size **44.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover	CVI 06 LS	CVI 06 LP		
	Enclosures with plastic cover do not have UL approval				
	Bulkhead mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover		CVI 06 LSP		
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover	MVP 06 LS20 MVP 06 LS220 CVP 06 LS CVP 06 LS2	MVP 06 LP20 MVP 06 LP220 CVP 06 LP CVP 06 LP2	M20 M20 x 2 Pg 16 Pg 16 x 2	
	Enclosures with plastic cover do not have UL approval				
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover, high construction	MVAP 06 LS32 MVAP 06LS232 MVAP 06 LS40 MVAP 06LS240 CVAP 06 LS CVAP 06 LS2 CVAP 06 LS29 CVAP 06LS229	MVAP 06 LP32 MVAP 06LP232 MVAP 06 LP40 MVAP 06LP240 CVAP 06 LP CVAP 06 LP2 CVAP 06 LP29 CVAP 06LP229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Enclosures with plastic cover do not have UL approval				
	Surface mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover, low or high construction	Low construction MVP 06 LSP20	High construction MVAP 06LSP25 MVAP 06LSP32 MVAP 06LSP40 CVAP 06LSP21 CVAP 06LSP29	M20 M25 M32 M40 Pg 16 Pg 21 Pg 29	
	Enclosures with plastic cover do not have UL approval	CVP 06 LSP16			

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:


Hoods
Page E.49

Covers
Page E.52

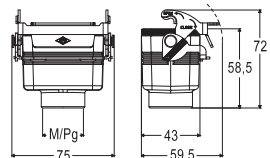
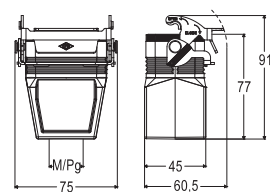
V-TYPE series – IP65 / IP66 version

Hoods – 1 lever – with gasket

size **44.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500


ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 1 lever and gasket, top entry	MVV 06 LG25 CVV 06 LG	M25 Pg 16	
	Hoods, 1 lever and gasket, top entry, high construction To be used only with a complete cable gland	MVFV 06 LG25 MVFV 06 LG32 CVFV 06 LG21 CVFV 06 LG29	M25 M32 Pg 21 Pg 29	

Inserts size 44.27		Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ☺	B.38	MIXO modules	C.12-93
CCE	16 A	6 + ☺	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ☺	B.52,58		
CQE / CQEY	16 A	10 + ☺	B.72,82		
CDD	10 A	24 + ☺	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ☺	B.102,108		
CSS	16 A	6 + ☺	B.118		

Complete with:

Hoods
Page E.49

Covers
Page E.52

V-TYPE series – IP65 / IP66 version

Housings – 1 lever – with gasket

size **57.27**

Heavy-Duty Applications



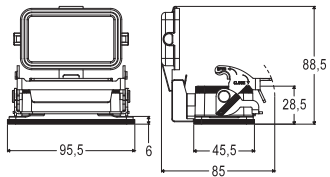
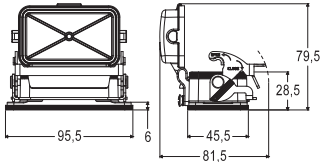
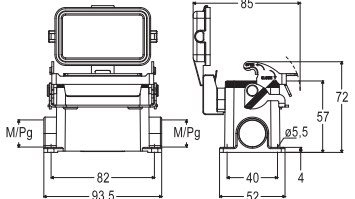
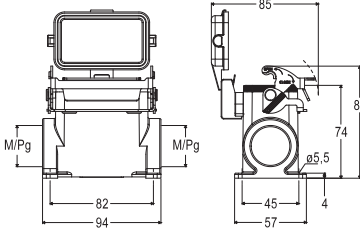
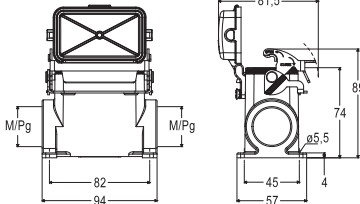
CE UK



CV[®]

ECBT2.E115072 | ECBT8.E115072

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal or plastic cover Enclosures with plastic cover do not have UL approval	CVI 10 LS CVI 10 L	CVI 10 LP		
	Bulkhead mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover Enclosures with plastic cover do not have UL approval		CVI 10 LSP		
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover Enclosures with plastic cover do not have UL approval	MVP 10 LS20 MVAP 10 LS220 CVP 10 LS CVP 10 LS2	MVP 10 LP20 MVAP 10 LP220 CVP 10 LP CVP 10 LP2	M20 M20 x 2 Pg 16 Pg 16 x 2	
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover, high construction Enclosures with plastic cover do not have UL approval	MVAP 10 LS32 MVAP 10LS232 MVAP 10 LS40 MVAP 10LS240 CVAP 10 LS CVAP 10 LS2 CVAP 10 LS29 CVAP 10LS229	MVP 10 LP32 MVAP 10LP232 MVAP 10 LP40 MVAP 10LP240 CVAP 10 LP CVAP 10 LP2 CVAP 10 LP29 CVAP 10LP229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Surface mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover, low or high construction Enclosures with plastic cover do not have UL approval	MVP 10 LSP20 CVP 10 LSP16	MVP 10LSP25 MVAP 10LSP32 MVAP 10LSP40 CVAP 10LSP21 CVAP 10LSP29	M20 M25 M32 M40 Pg 16 Pg 21 Pg 29	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☺ B.39	CT / CTSE*	16 A	10 + ☺ B.127,131
CCE	16 A	10 + ☺ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☺ B.144,149
CSH / JSH S	16 A	10 + ☺ B.53,59	CX	40 A/10 A	8/24 + ☺ B.170-171
CSHT	16 A	10 + ☺ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☺ B.73,83	MIXO Modular Inserts		
CDD	10 A	42 + ☺ B.95			Pages
CDSH	10 A	18 + ☺ B.103	MIXO modules		C.12-93
CSS	16 A	10 + ☺ B.119	CX Ø3 T (3-slot sized MIXO frames)		C.95

Complete with:



Hoods
Page E.55



Covers
Page E.60

V-TYPE series – IP65 / IP66 version

Housings and hoods – 1 or 2 levers – with gasket

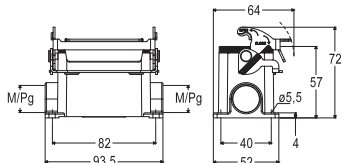
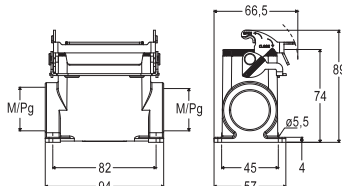
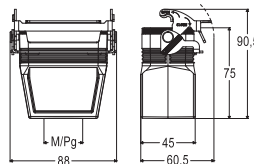
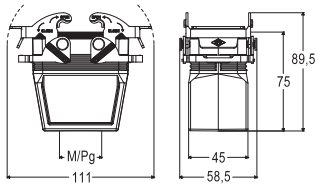
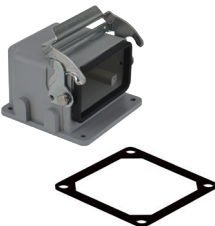
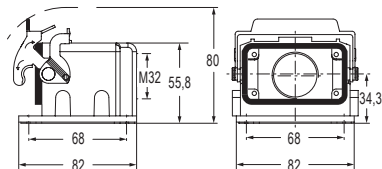
size **57.27**
**Heavy-Duty
Applications**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Surface mounting housings, 1 lever and gasket	MVP 10 L20 MVP 10 L220 CVP 10 L CVP 10 L2	M20 M20 x 2 Pg 16 Pg 16 x 2	
	Surface mounting housings, 1 lever and gasket, high construction	MVAP 10 L32 MVAP 10 L232 MVAP 10 L40 MVAP 10 L240 CVAP 10 L CVAP 10 L2 CVAP 10 L29 CVAP 10 L229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Hoods, 1 lever and gasket, top entry, low or high construction High construction hoods to be used only with a complete cable gland	Low construction MVV 10 LG25 CVV 10 LG High construction MVFV 10 LG25 MVFV 10 LG32 CVFV 10 LG21 CVFV 10 LG29	M25 M32 Pg 16 Pg 21 Pg 29	
	Hoods, 2 levers and gasket, top entry, low or high construction High construction hoods to be used only with a complete cable gland	Low construction MVV 10 G25 CVV 10 G High construction MVFV 10 G25 MVFV 10 G32 CVFV 10 G21 CVFV 10 G29	M25 M32 Pg 16 Pg 21 Pg 29	
	Angled bulkhead mounting housings, 1 lever and gasket, with or without cable gland entry Flange gasket for angled bulkhead mounting housings to be purchased separately	With entry MVI 10 LAP32 Flange gasket CR 10 MO Without entry CVI 10 LA	no entry M32	

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39
CCE	16 A	10 + ☉ B.45
CSH / JSH S	16 A	10 + ☉ B.53,59
CSHT	16 A	10 + ☉ B.66
CQE / CQEY	16 A	18 + ☉ B.73,83
CDD	10 A	42 + ☉ B.95
CDSH	10 A	18 + ☉ B.103
CSS	16 A	10 + ☉ B.119

Inserts size 57.27	Poles	Pages
CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CX	40 A/10 A	8/24 + ☉ B.170-171
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:


Hoods
Page
E.55,57,61

Covers
Page E.60

V-TYPE series – IP65 / IP66 version

Housings – 1 lever – with gasket

size **77.27**Heavy-Duty
Applications

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal or plastic cover	CVI 16 LS	CVI 16 LP		
	Enclosures with plastic cover do not have UL approval	Without cover CVI 16 L			
	Bulkhead mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover		CVI 16 LSP		
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover	MVP 16 LS25 MVP 16 LS225 CVP 16 LS CVP 16 LS2	MVP 16 LP25 MVP 16 LP225 CVP 16 LP CVP 16 LP2	M25 M25 x 2 Pg 21 Pg 21 x 2	
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover, high construction	MVAP 16 LS32 MVAP 16LS232 MVAP 16 LS40 MVAP 16LS240 CVAP 16 LS CVAP 16 LS2 CVAP 16 LS29 CVAP 16LS229	MVAP 16 LP32 MVAP 16LP232 MVAP 16 LP40 MVAP 16LP240 CVAP 16 LP CVAP 16 LP2 CVAP 16 LP29 CVAP 16LP229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Surface mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover, low or high construction	Low construction MVP 16 LSP25 CVP 16 LSP21	High construction MVAP 16LSP25 MVAP 16LSP32 MVAP 16LSP40 CVAP 16LSP21 CVAP 16LSP29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Complete with:

Hoods
Page E.63Covers
Page E.68

V-TYPE series – IP65 / IP66 version

Housings and hoods – 1 or 2 levers – with gasket

size **77.27**
**Heavy-Duty
Applications**

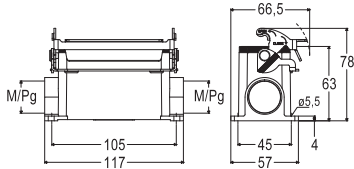
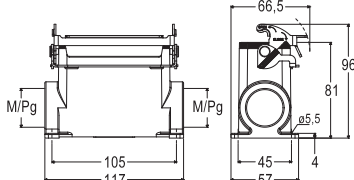
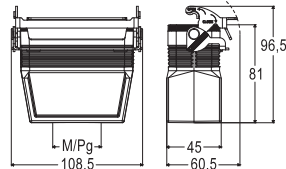
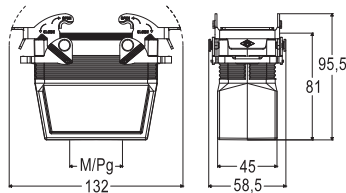

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Surface mounting housings, 1 lever and gasket	MVP 16 L25 MVP 16 L225 CVP 16 L CVP 16 L2	M25 M25 x 2 Pg 21 Pg 21 x 2	
	Surface mounting housings, 1 lever and gasket, high construction	MVAP 16 L32 MVAP 16 L232 MVAP 16 L40 MVAP 16 L240 CVAP 16 L CVAP 16 L2 CVAP 16 L29 CVAP 16 L229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Hoods, 1 lever and gasket, top entry, low or high construction High construction hoods to be used only with a complete cable gland	Low construction MVV 16 LG32 CVV 16 LG High construction MVFV 16 LG25 MVFV 16 LG32 CVFV 16 LG21 CVFV 16 LG29	M25 M32 Pg 21 Pg 29	
	Hoods, 2 levers and gasket, top entry, low or high construction High construction hoods to be used only with a complete cable gland	Low construction MVV 16 G32 CVV 16 G High construction MVFV 16 G25 MVFV 16 G32 CVFV 16 G21 CVFV 16 G29	M25 M32 Pg 21 Pg 29	

V-TYPE – IP65 / IP66

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CST	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Complete with:


Hoods
Page
E.63,65,69

Covers
Page E.68

V-TYPE series – IP65 / IP66 version

Housings – 1 lever – with gasket

size **104.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500


CAUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Metal cover	Plastic cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal or plastic cover	CVI 24 LS	CVI 24 LP		
	Enclosures with plastic cover do not have UL approval	Without cover CVI 24 L			
	Bulkhead mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover		CVI 24 LSP		
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover	MVP 16 LS25 MVP 16 LS225 CVP 16 LS CVP 16 LS2	MVP 16 LP25 MVP 16 LP225 CVP 16 LP CVP 16 LP2	M25 M25 x 2 Pg 21 Pg 21 x 2	
	Bulkhead mounting housings, 1 lever and gasket, with metal or plastic cover, high construction	MVAP 24 LS32 MVAP 24LS232 MVAP 24 LS40 MVAP 24LS240 CVAP 24 LS CVAP 24 LS2 CVAP 24 LS29 CVAP 24LS229	MVAP 24 LP32 MVAP 24LP232 MVAP 24 LP40 MVAP 24LP240 CVAP 24 LP CVAP 24 LP2 CVAP 24 LP29 CVAP 24LP229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Surface mounting housings, 1 lever and gasket, with SIMPLEX self-closing cover, low or high construction	Low construction MVP 24 LSP25 CVP 24 LSP21	High construction MVAP 24LSP25 MVAP 24LSP32 MVAP 24LSP40 CVAP 24LSP21 CVAP 24LSP29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

Complete with:

Hoods
Page E.71

Covers
Page E.76

V-TYPE series – IP65 / IP66 version

Housings and hoods – 1 or 2 levers – with gasket

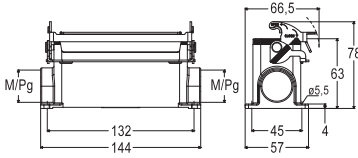
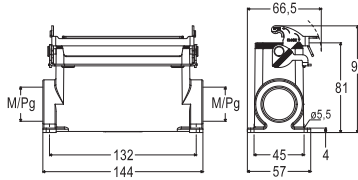
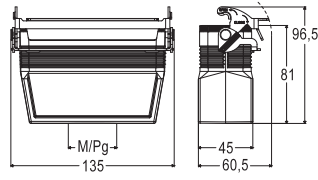
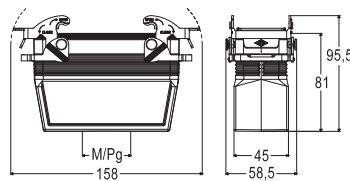
size **104.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Surface mounting housings, 1 lever and gasket	MVP 24 L25 MVP 24 L225 CVP 24 L CVP 24 L2	M25 M25 x 2 Pg 21 Pg 21 x 2	
	Surface mounting housings, 1 lever and gasket, high construction	MVAP 24 L32 MVAP 24 L232 MVAP 24 L40 MVAP 24 L240 CVAP 24 L CVAP 24 L2 CVAP 24 L29 CVAP 24 L229	M32 M32 x 2 M40 M40 x 2 Pg 21 Pg 21 x 2 Pg 29 Pg 29 x 2	
	Hoods, 1 lever and gasket, top entry, low or high construction High construction hoods to be used only with a complete cable gland	Low construction MVV 24 LG32 CVV 24 LG High construction MVFV 24 LG25 MVFV 24 LG32 CVFV 24 LG21 CVFV 24 LG29	M25 M32 Pg 21 Pg 29	
	Hoods, 2 levers and gasket, top entry, low or high construction High construction hoods to be used only with a complete cable gland	Low construction MVV 24 G32 CVV 24 G High construction MVFV 24 G25 MVFV 24 G32 CVFV 24 G21 CVFV 24 G29	M25 M32 Pg 21 Pg 29	

V-TYPE – IP65 / IP66

E

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☉ B.121
CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Complete with:


Hoods
Page
E.71,73,77

Covers
Page E.76

Panel cut-out drawings

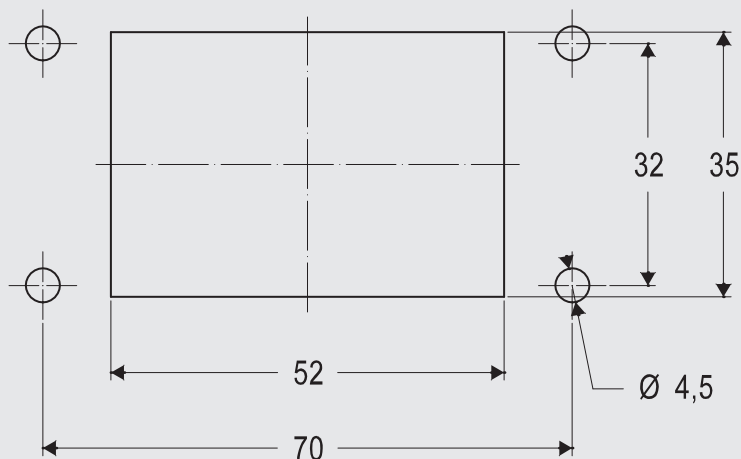
For V-TYPE series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm (measured on the panel without load)
Roughness $R_a \leq 16 \text{ }\mu\text{m}$

Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Accessories:



C7 .. FL
Counterflanges for V-TYPE IP67
bulkhead mounting housings
 Page G.45

Panel cut-out drawings

For V-TYPE series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Accessories:



C7 .. FL
Counterflanges for V-TYPE IP67
bulkhead mounting housings
Page G.45



IP68

High protection series



IP68 CG/MG series

The CG/MG enclosure series for heavy-duty rectangular connectors combines IP68 water tightness, high mechanical sturdiness, and enhanced immunity to electromagnetic disturbances (EMC shielding).

Compared to the standard size series, the larger dimensions of the IP68 enclosure leave more space for the cables while keeping the same panel cutouts.

IP68 means the total protection against dust, and against access to hazardous parts with an access probe of Ø 1,0 mm (1st Index - IP6x), and protection against the effects of continuous submersion in water (duration ≥ 30 min upon agreement and water depth ≥ 1 m upon agreement) (2nd Index - IPx8).

These enclosures have also successfully passed the tests required for the IPX6 degree of protection (tightness to powerful water jets) and for the IPX9 degree of protection (high pressure and temperature water jets) according to EN IEC 60529. Therefore, their whole "versatile" degree of protection is IP66 / IP68 / IP69.

The table aside shows only the IP68 level of protection.

Please see page J.6 for the complete table of the different levels of protection specified by the IP standard.

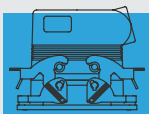
⇒ Markings and Approvals

- CE and UKCA markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP66 / IP68 / IP69 degree of protection
- RoHS: compliant



FOCUS

Levers and technology

FIRST Index figure	Degree of protection SOLIDS		SECOND Index figure	Degree of protection WATER	
6		Protected against access to hazardous parts with a wire dust-tight (total protection against dust)	8		Protected against the effects of continuous immersion in water at depth and/or duration upon agreement, more severe than for numeral 7

Description according to IEC 60529

IP68 Enclosures E-Xtreme® series



IP68 Enclosures range is also available with E-Xtreme® corrosion-proof treatment to ensure resistance even to very harsh environments (up to 3.000 hours in salt spray test EN ISO 9227:2012).

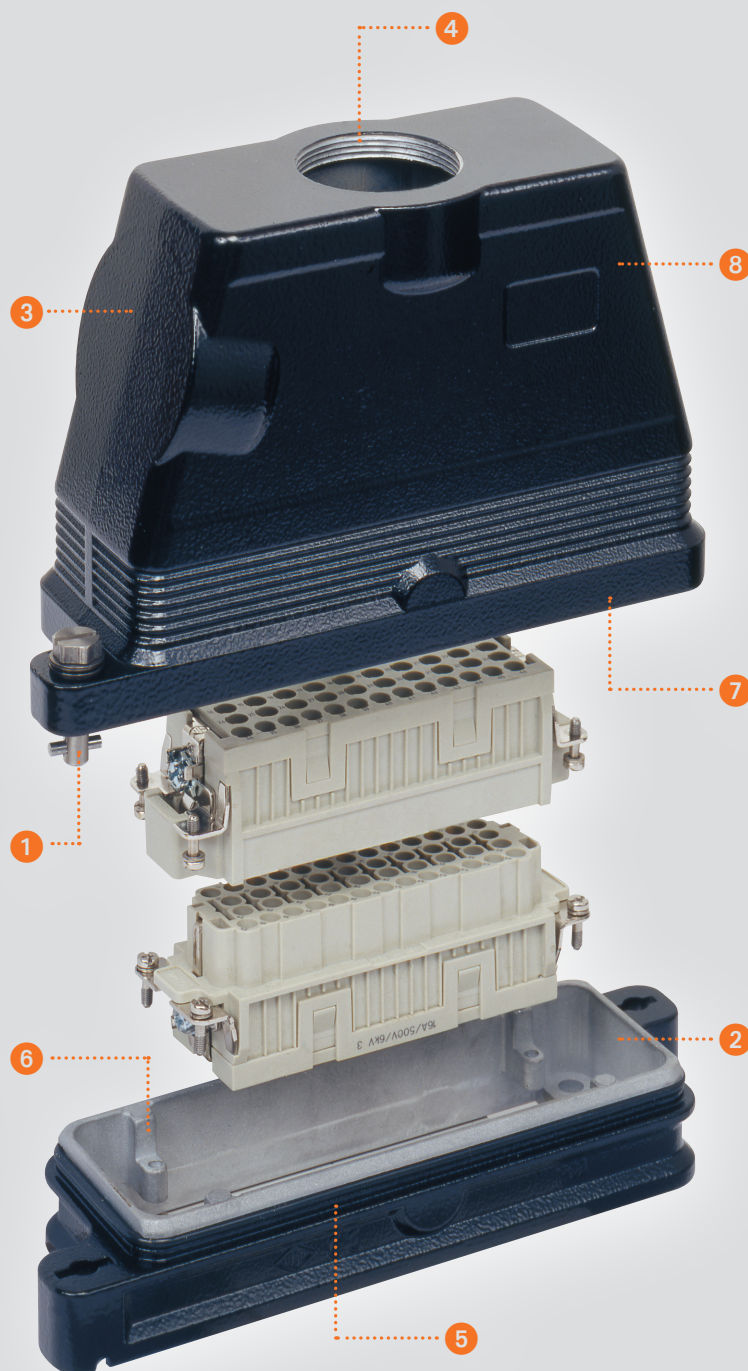
See pages E.168-169, E.190-193



IP68

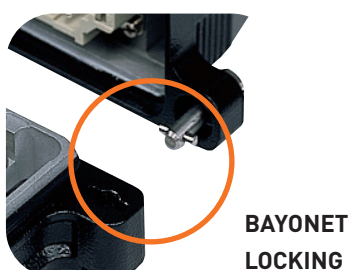
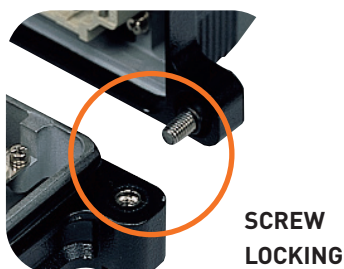
High protection series

TECHNICAL FEATURES



- 1 Locking is available in two solutions: **screw-type** with hexagonal head stainless steel screws or **bayonet-type**.

The slotted hexagonal head screws can be fitted and removed by using either a 1,6 mm thick blade screwdriver or a 10 mm hexagonal key and can be easily accessed even when fitted on enclosures with horizontally exited cables. Tightening torque 2,5 Nm. captive insert fastening screws, with anti-loosening spring washer:



- 2 Corrosion proof foundry grade aluminium alloy enclosures. The following types are available: wall-mounted, flush mounted fixed and free enclosures with free protective cover.
- 3 Epoxy-polyester thermosetting powder coating, colour black RAL 9005, resistant to external agents and impacts.
- 4 Threaded cable entry hole, available in different Pg diameters (types with prefix starting with "C") or metric thread (types with prefix starting with "M") compliant with EN 60423 standard, for cable entry devices compliant with EN IEC 62444 standard (former EN 50262), for vertical or horizontal layout.
- 5 Oil and fuel-resistant NBR seals mounted internally to avoid exposure to sunlight and other ageing factors. When fitted with suitable cable entry devices (not supplied), the enclosures ensure mated connectors' IP66 / IP68 / IP69 degree of protection.
- 6 Fixed, bulkhead-mount enclosure with fastening screws inside the gasket.
- 7 Wider enclosures to give more space for the cabling.
- 8 Hood shielding for electromagnetic compatibility, resistance to vibrations in compliance with EN 61373 railway standard and to pressurised water (IPX9).

IP68 high protection series

Housings, hoods and covers – Screw locking

size **44.27**Aggressive
Environments

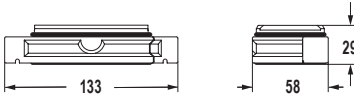
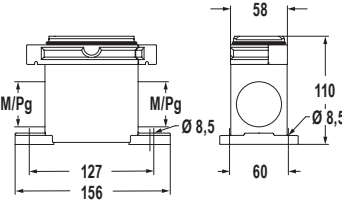
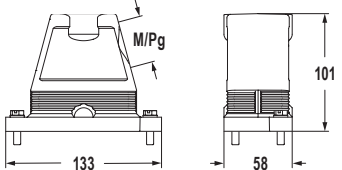
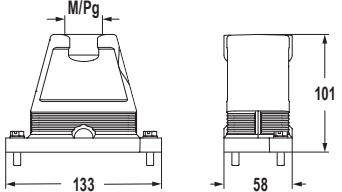
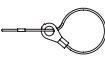
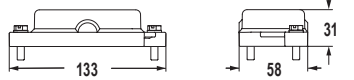
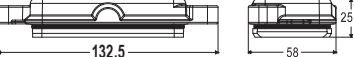
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 06		
	Surface mounting housings, screw locking	MGP 06.32 CGP 06.29	M32 Pg 29	
	Hoods, side entry, screw locking To be used only with a complete cable gland	MGO 06.25 MGO 06.32 CGO 06.16 CGO 06.21 CGO 06.29	M25 M32 Pg 16 Pg 21 Pg 29	
	Hoods, top entry, screw locking To be used only with a complete cable gland	MGV 06.25 MGV 06.32 MGV 06.40 CGV 06.16 CGV 06.21 CGV 06.29	M25 M32 M40 Pg 16 Pg 21 Pg 29	
	Covers, screw locking, for housings or for hoods With loop 	For housings CGC 06 For hoods CGC 06 G		 

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:



CGCP FX
Dust protection cover
Page G.47



CGCP MB
Dust protection cover
Page G.47

IP68 high protection series

Housings, hoods and covers – Bayonet locking

size **44.27**Aggressive
Environments

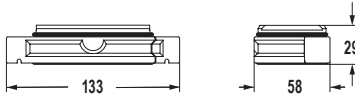
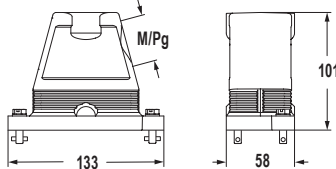
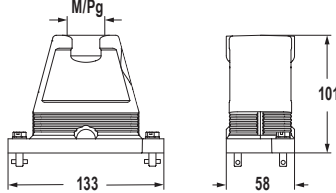
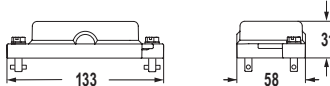
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, bayonet locking Optional mounting frame CG ... FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 06 B		
	Hoods, side entry, bayonet locking To be used only with a complete cable gland	MGO 06.25 B MGO 06.32 B CGO 06.16 B CGO 06.29 B	M25 M32 Pg 16 Pg 21 Pg 29	
	Hoods, top entry, bayonet locking To be used only with a complete cable gland	MGV 06.25 B MGV 06.32 B MGV 06.40 B CGV 06.16 B CGV 06.21 B CGV 06.29 B	M25 M32 M40 Pg 16 Pg 21 Pg 29	
	Covers, bayonet locking, for housings With loop 	CGC 06 B		

Inserts size 44.27	Poles	Pages
CNE	16 A	6 + ⊕ B.38
CCE	16 A	6 + ⊕ B.44
CSH / JSH S	16 A	6 + ⊕ B.52,58
CQE / CQEY	16 A	10 + ⊕ B.72,82
CDD	10 A	24 + ⊕ B.94
CDSH / CDSH NC	10 A	9 and 6 + ⊕ B.102,108
CSS	16 A	6 + ⊕ B.118
CT / CTSE*	16 A	6 + ⊕ B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:



CGCP FX
Dust protection
cover
Page G.47



CGCP MB
Dust protection
cover
Page G.47

IP68 high protection series

Housings, hoods and covers – Screw locking

size **57.27**Aggressive
Environments

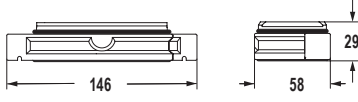
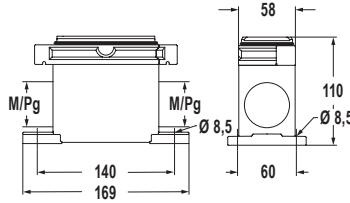
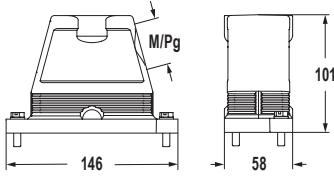
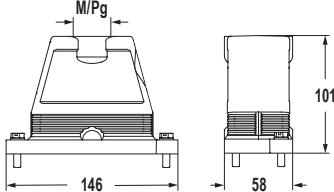
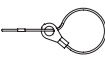
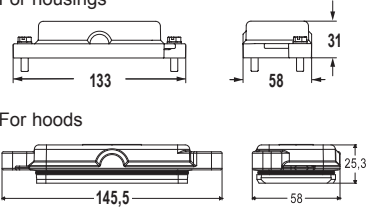
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 10		
	Surface mounting housings, screw locking	MGP 10.32 CGP 10.29	M32 Pg 29	
	Hoods, side entry, screw locking To be used only with a complete cable gland	MGO 10.25 MGO 10.32 CGO 10.16 CGO 10.21 CGO 10.29	M25 M32 Pg 16 Pg 21 Pg 29	
	Hoods, top entry, screw locking To be used only with a complete cable gland	MGV 10.25 MGV 10.32 MGV 10.40 CGV 10.16 CGV 10.21 CGV 10.29	M25 M32 M40 Pg 16 Pg 21 Pg 29	
	Covers, screw locking, for housings or for hoods With loop 	For housings CGC 10 For hoods CGC 10 G		

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ⊕ B.39	CT / CTSE*	16 A	10 + ⊕ B.127,131
CCE	16 A	10 + ⊕ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ⊕ B.144,149
CSH / JSH S	16 A	10 + ⊕ B.53,59	CX	40 A/10 A	8/24 + ⊕ B.170-171
CSHT	16 A	10 + ⊕ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ⊕ B.73,83			
CDD	10 A	42 + ⊕ B.95			
CDSH	10 A	18 + ⊕ B.103			
CSS	16 A	10 + ⊕ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:



CGCP FX
Dust protection cover
Page G.47



CGCP MB
Dust protection cover
Page G.47



CE UK
CA



DNV



IP68 high protection series

Housings, hoods and covers – Screw locking

size **77.27**Aggressive
Environments

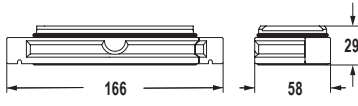
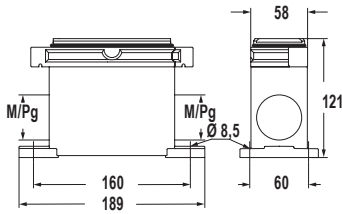
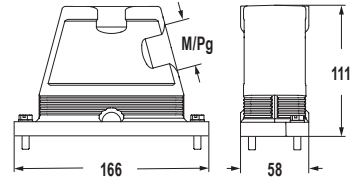
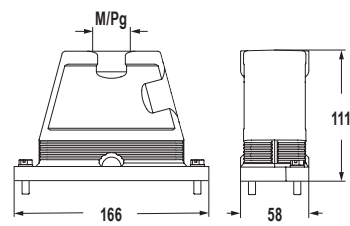
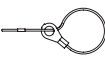
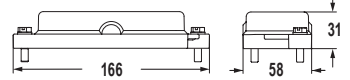
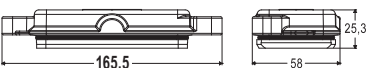
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 16		
	Surface mounting housings, screw locking	MGP 16.40 CGP 16.36	M40 Pg 36	
	Hoods, side entry, screw locking To be used only with a complete cable gland	MGO 16.32 MGO 16.40 MGO 16.50 CGO 16.21 CGO 16.29 CGO 16.36	M32 M40 M50 Pg 21 Pg 29 Pg 36	
	Hoods, top entry, screw locking To be used only with a complete cable gland	MGV 16.25 MGV 16.225 MGV 16.32 MGV 16.40 MGV 16.50 CGV 16.21 CGV 16.221 CGV 16.29 CGV 16.36	M25 M25 x 2 M32 M40 M50 Pg 21 Pg 21 x 2 Pg 29 Pg 36	
	Covers, screw locking, for housings or for hoods With loop 	For housings CGC 16 For hoods CGC 16 G		For housings  For hoods 

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Accessories:


CGCP FX
 Dust protection
 cover
 Page G.47

CGCP MB
 Dust protection
 cover
 Page G.47

IP68 high protection series

Housings, hoods and covers – Bayonet locking

size **77.27**Aggressive
Environments

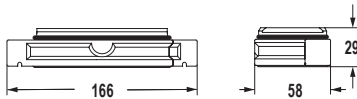
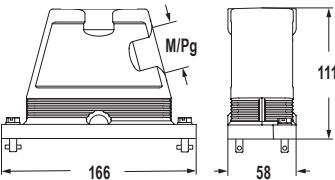
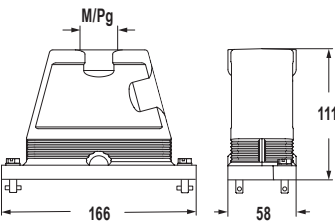
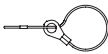
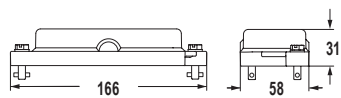
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, bayonet locking Optional mounting frame CG ... FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 16 B		
	Hoods, side entry, bayonet locking To be used only with a complete cable gland	MGO 16.32 B MGO 16.40 B MGO 16.50 B CGO 16.21 B CGO 16.29 B CGO 16.36 B	M32 M40 M50 Pg 21 Pg 29 Pg 36	
	Hoods, top entry, bayonet locking To be used only with a complete cable gland	MGV 16.25 B MGV 16.225 B MGV 16.32 B MGV 16.40 B MGV 16.50 B CGV 16.21 B CGV 16.221 B CGV 16.29 B CGV 16.36 B	M25 M25 x 2 M32 M40 M50 Pg 21 Pg 21 x 2 Pg 29 Pg 36	
	Covers, bayonet locking, for housings With loop 	CGC 16 B		

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Accessories:



CGCP FX
Dust protection
cover
Page G.47



CGCP MB
Dust protection
cover
Page G.47

dimensions shown in mm are not binding and may be changed without notice

IP68 high protection series

Housings, hoods and covers – Screw locking

size **104.27**Aggressive
Environments

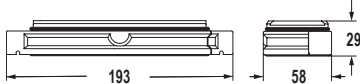
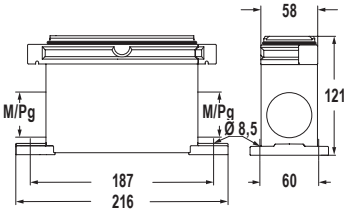
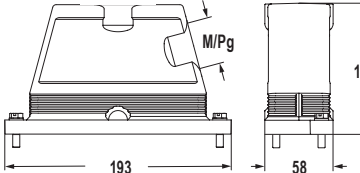
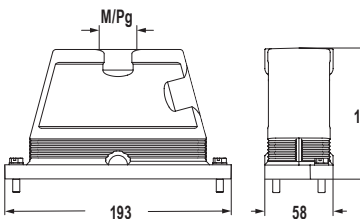
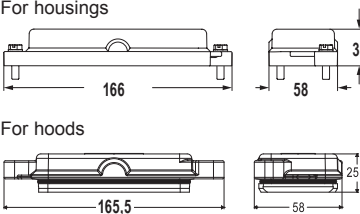
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 24		
	Surface mounting housings, screw locking	MGP 24.40 MGP 24.240 CGP 24.36 CGP 24.236	M40 M40 x 2 Pg 36 Pg 36 x 2	
	Hoods, side entry, screw locking To be used only with a complete cable gland	MGO 24.32 MGO 24.40 MGO 24.50 CGO 24.21 CGO 24.29 CGO 24.36	M32 M40 M50 Pg 21 Pg 29 Pg 36	
	Hoods, top entry, screw locking To be used only with a complete cable gland	MGV 24.325 MGV 24.32 MGV 24.232 MGV 24.40 MGV 24.240 MGV 24.50 CGV 24.21 CGV 24.29 CGV 24.229 CGV 24.36	M25 x 3 M32 M32 x 2 M40 M40 x 2 M50 Pg 21 Pg 29 Pg 29 x 2 Pg 36	
	Covers, screw locking, for housings or for hoods With loop 	For housings CGC 24 For hoods CGC 24 G		

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

Accessories:



CGCP FX
Dust protection
cover
Page G.47



CGCP MB
Dust protection
cover
Page G.47

IP68 high protection series

Housings, hoods and covers – Bayonet locking

size **104.27**Aggressive
Environments

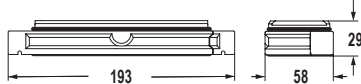
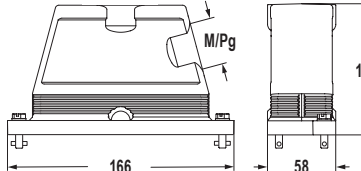
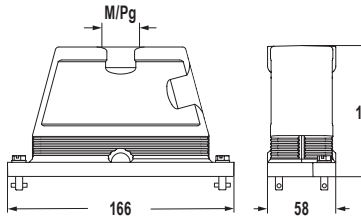
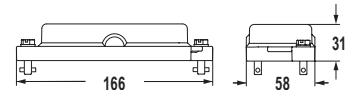
CE UK



EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, bayonet locking Optional mounting frame CG ... FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGI 24 B		
	Hoods, side entry, bayonet locking To be used only with a complete cable gland	MGO 24.32 B MGO 24.40 B MGO 24.50 B CGO 24.21 B CGO 24.29 B CGO 24.36 B	M32 M40 M50 Pg 21 Pg 29 Pg 36	
	Hoods, top entry, bayonet locking To be used only with a complete cable gland	MGV 24.325 B MGV 24.32 B MGV 24.232 B MGV 24.40 B MGV 24.240 B MGV 24.50 B CGV 24.21 B CGV 24.29 B CGV 24.229 B CGV 24.36 B	M25 x 3 M32 M32 x 2 M40 M40 x 2 M50 Pg 21 Pg 29 Pg 29 x 2 Pg 36	
	Covers, bayonet locking, for housings With loop 	CGC 24 B		

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

Accessories:



CGCP FX
Dust protection
cover
Page G.47



CGCP MB
Dust protection
cover
Page G.47

Panel cut-out drawings

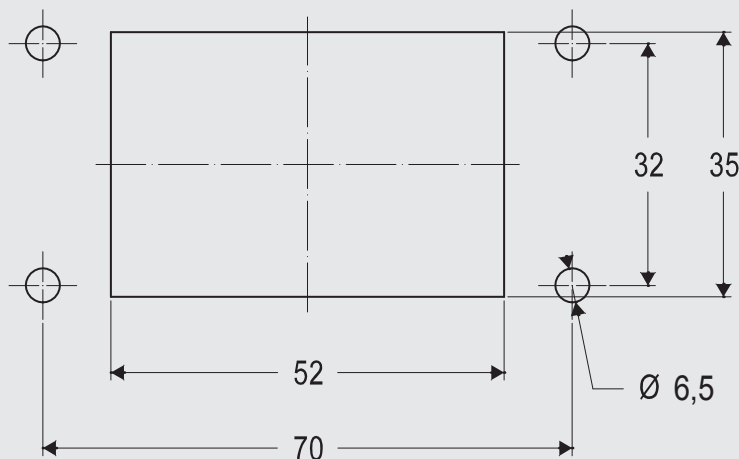
For IP68 series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm (measured on the panel without load)
Roughness $R_a \leq 16 \text{ }\mu\text{m}$

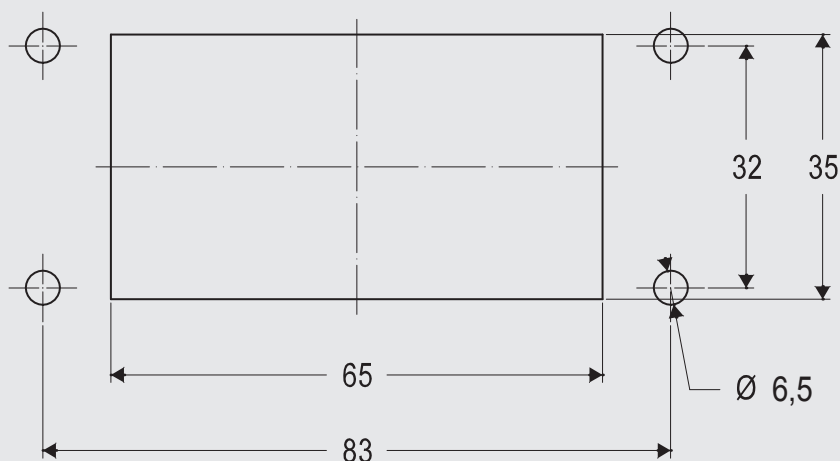
Scale 1:1

Size 44.27



Required screws: 4
Screws size: M6
Recommended torque:
 3,0 – 1,6 Nm / 26.6 – 31.9 lb.in

Size 57.27



Required screws: 4
Screws size: M6
Recommended torque:
 3,0 – 1,6 Nm / 26.6 – 31.9 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department). For the CGI/MGI IP68 enclosures the specific counter-flanges mentioned in the catalogue are always recommended.

Accessories:



CG .. FL
Counterflanges for IP68
bulkhead mounting housings
 Page G.45

Panel cut-out drawings

For IP68 series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μ m

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M6
Recommended torque:
 3,0 – 1,6 Nm / 26.6 – 31.9 lb.in

Size 104.27



Required screws: 4
Screws size: M6
Recommended torque:
 3,0 – 1,6 Nm / 26.6 – 31.9 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department). For the CGI/MGI IP68 enclosures the specific counter-flanges mentioned in the catalogue are always recommended.

Accessories:



CG .. FL
Counterflanges for IP68
bulkhead mounting housings
 Page G.45



W-TYPE series for aggressive environments



W-TYPE series

The W-Type enclosure series for aggressive environments is designed for industrial applications with particularly aggressive external agents.

The jet-black RAL 9005 colour identifies the series and, together with a pre-coating chromate conversion treatment RoHS 2 compliant, provides improved corrosion resistance in salt spray tests up to 500 hrs (according to UNI EN ISO 9227).



SUM-UP

- > Made of die cast aluminium alloy.
- > Thermosetting epoxy powder coating, jet-black RAL 9005.
- > FKM fluoroelastomer gaskets (with improved resistance to chemicals and aging).
- > V-TYPE or C-TYPE locking device with self-extinguishing thermoplastic handles, springs and pins in stainless steel.
- > Hoods with stainless steel riveted pegs.
- > Ambient temperature range: -40 °C / +125 °C.

✔ Markings and Approvals

- CE and UKA markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP66 / IP67 / IP69 degree of protection
- RoHS: compliant

FOCUS

Levers and technology

V-TYPE lever version

The V-TYPE closing principle consists of a **2-step movement**, thanks to the designed hinged elements pivoted on the housing: **the lever is moved above the housing pegs and then pressed downwards** to engage the locking mechanism.

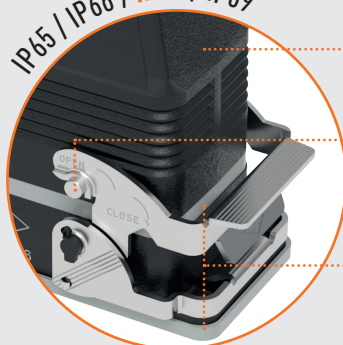
The tight seal after closure and the simplicity of the movement are the essential attributes that only ILME has managed to combine into a single lever.

C-TYPE lever version

The C-TYPE lever is a stainless steel lever with thermoplastic handles, designed to reduce the wear of the pegs on the hoods significantly, thanks to the presence of riveted rolls on a double spring mechanism.

The C-TYPE locking system provides smooth closure, resilience and compensation for any coupling tolerance.

IP65 / IP66 / **IP67** / IP69

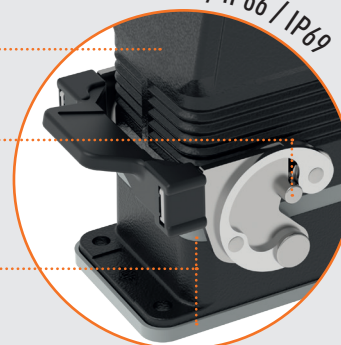


Thermosetting epoxy powder coating

Hoods with stainless steel riveted pegs

FKM fluoroelastomer gaskets with improved resistance to chemicals and aging

IP65 / IP66 / IP69





W-TYPE series – V-TYPE lever version

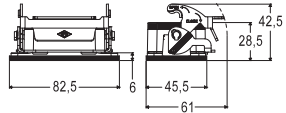
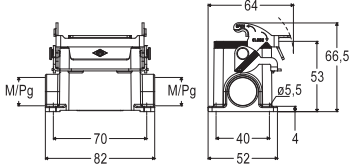
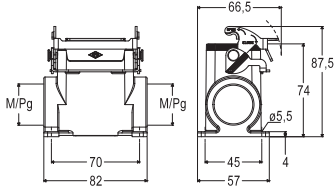
Housings – 1 lever – with gasket

size **44.27****Aggressive
Environments****CE UK**

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

 (pending: CQC)

 ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with or without metal cover Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IW 06 L		
	Surface mounting housings, 1 lever and gasket, with or without metal cover	M7PW 06 L32 M7PW 06 L232	M20 M20 x 2	
	Surface mounting housings, 1 lever and gasket, with or without metal cover, high construction	M7APW 06 L32 M7APW 06L232 M7APW 06 L40 M7APW 06L240	M32 M32 x 2 M40 M40 x 2	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ⊕	B.38	
CCE	16 A	6 + ⊕	B.44	
CSH / JSH S	16 A	6 + ⊕	B.52,58	
CQE / CQEY	16 A	10 + ⊕	B.72,82	
CDD	10 A	24 + ⊕	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108	
CSS	16 A	6 + ⊕	B.118	
CT / CTSE*	16 A	6 + ⊕	B.126,130	

*can be used only in bulkhead mounting housings

Accessories:
CHCP 06
 Dust protection
 cover
 Page G.46

W-TYPE series

Hoods and covers – 2 pegs – without gasket

size **44.27**
**Aggressive
Environments**

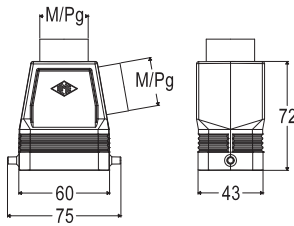
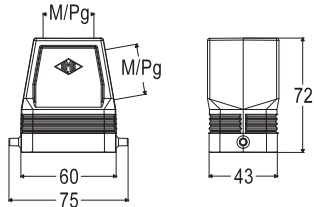
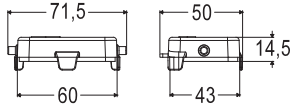

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side or top entry, high construction, with metal adapter	MAOW 06 L32 CAOW 06 L21	MAVW 06 L32 CAVW 06 L21	M32 Pg 21	
	Hoods, 2 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOW 06 L32	MFVW 06 L32	M32	
	Covers, 2 pegs, without gasket For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 	With loop CHCW 06 SL	With eyelet CHCW 06 L		

W-TYPE

E

Inserts size 44.27	Poles	Pages
CNE	16 A	6 + ⊕ B.38
CCE	16 A	6 + ⊕ B.44
CSH / JSH S	16 A	6 + ⊕ B.52,58
CQE / CQEY	16 A	10 + ⊕ B.72,82
CDD	10 A	24 + ⊕ B.94
CDSH / CDSH NC	10 A	9 and 6 + ⊕ B.102,108
CSS	16 A	6 + ⊕ B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:


CHCP 06
Dust protection
cover
Page G.46

W-TYPE series – V-TYPE lever version

Housings – 2 levers – with gasket

size **57.27**

Aggressive Environments

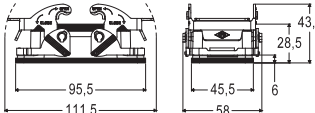
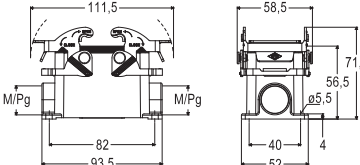
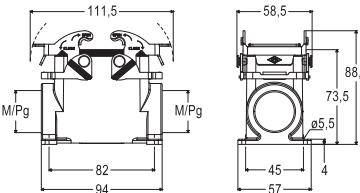


CE UK
CA

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

  (pending: CQC)

UL[®] **US** ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IW 10		
	Surface mounting housings, 2 levers and gasket	M7PW 10.20 M7PW 10.220	M20 M20 x 2	
	Surface mounting housings, 2 levers and gasket, high construction	M7APW 10.32 M7APW 10.232 M7APW 10.40 M7APW 10.240	M32 M32 x 2 M40 M40 x 2	

W-TYPE

F

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☺ B.39
CCE	16 A	10 + ☺ B.45
CSH / JSH S	16 A	10 + ☺ B.53,59
CSHT	16 A	10 + ☺ B.66
CQE / CQEY	16 A	18 + ☺ B.73,83
CDD	10 A	42 + ☺ B.95
CDSH	10 A	18 + ☺ B.103
CSS	16 A	10 + ☺ B.119

Inserts size 57.27	Poles	Pages
CT / CTSE*	16 A	10 + ☺ B.127,131
CMCE / CMSH	16 A	3 + 2 (aux.) + ☺ B.144,149
CX	40 A/10 A	8/24 + ☺ B.170-171
*can be used only in bulkhead mounting housings		
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX Ø3 T (3-slot sized MIXO frames)		C.95

Accessories:



CHCP 10
Dust protection
cover
Page G.46

W-TYPE series

Hoods and covers – 4 pegs – without gasket

size **57.27**
**Aggressive
Environments**

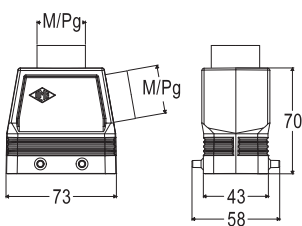
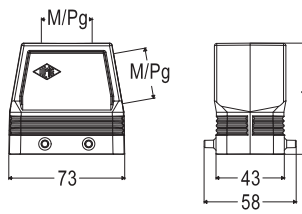
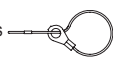
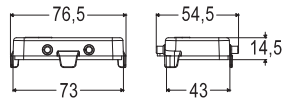

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side or top entry, high construction	MAOW 10.32 CAOW 10.21	MAVW 10.32 CAVW 10.21	M32 Pg 21	
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOW 10.32	MFVW 10.32	M32	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCW 10 S	With eyelet CHCW 10		

W-TYPE

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages		
CNE	16 A	10 + ☉	B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉	B.144,149
CCE	16 A	10 + ☉	B.45	CX	40 A/10 A	8/24 + ☉	B.170-171
CSH / JSH S	16 A	10 + ☉	B.53,59				
CSHT	16 A	10 + ☉	B.66				
CQE / CQEY	16 A	18 + ☉	B.73,83				
CDD	10 A	42 + ☉	B.95				
CDSH	10 A	18 + ☉	B.103				
CSS	16 A	10 + ☉	B.119				

Accessories:


CHCP 10
Dust protection
cover
Page G.46

W-TYPE series – V-TYPE lever version

Housings – 2 levers – with gasket

size **77.27**
**Aggressive
Environments**


CE UK

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IW 16		
	Surface mounting housings, 2 levers and gasket	M7PW 16.25 M7PW 16.225	M25 M25 x 2	
	Surface mounting housings, 2 levers and gasket, high construction	M7APW 16.32 M7APW 16.232 M7APW 16.40 M7APW 16.240	M32 M32 x 2 M40 M40 x 2	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

Accessories:

CHCP 16
 Dust protection
 cover
 Page G.46

W-TYPE series

Hoods and covers – 4 pegs – without gasket

size **77.27**Aggressive
Environments

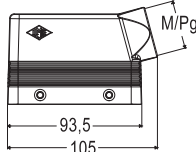
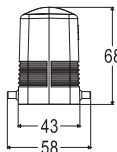
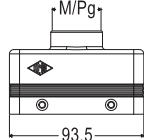
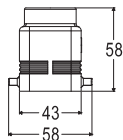
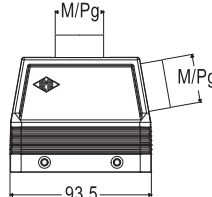
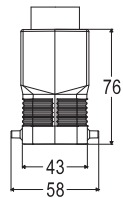
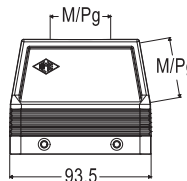
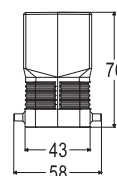
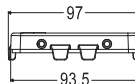
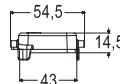
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHOW 16.25 MHOW 16.32 CHOW 16		M25 M32 Pg 21	 
	Hoods, 4 pegs, without gasket, top entry To be used only with a complete cable gland		MHVW 16.25 MHVW 16.32 CHVW 16	M25 M32 Pg 21	 
 	Hoods, 4 pegs, without gasket, side or top entry, high construction	MAOW 16.32 MAOW 16.40 CAOW 16.29	MAVW 16.32 MAVW 16.40 CAVW 16.29	M32 M40 Pg 29	 
 	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOW 16.32 MFOW 16.40	MFVW 16.32 MFVW 16.40	M32 M40	 
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCW 16 S	With eyelet CHCW 16		 

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Accessories:



CHCP 16
Dust protection
cover
Page G.46

W-TYPE series – V-TYPE lever version

Housings – 2 levers – with gasket

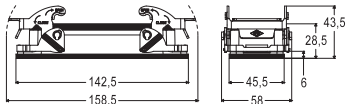
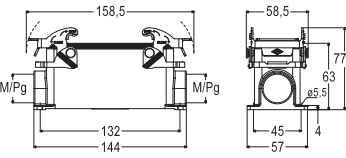
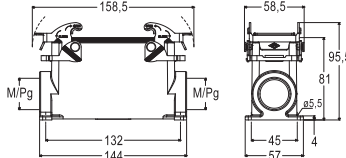
size **104.27**
**Aggressive
Environments**


CE UK

EN 60529	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IW 24		
	Surface mounting housings, 2 levers and gasket	M7PW 24.25 M7PW 24.225	M25 M25 x 2	
	Surface mounting housings, 2 levers and gasket, high construction	M7APW 24.32 M7APW 24.232 M7APW 24.40 M7APW 24.240	M32 M32 x 2 M40 M40 x 2	

W-TYPE

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEQ	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:


CHCP 24
 Dust protection
 cover
 Page G.46

W-TYPE series

Hoods and covers – 4 pegs – without gasket

size **104.27**Aggressive
Environments

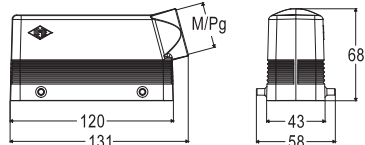
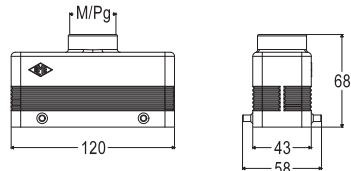
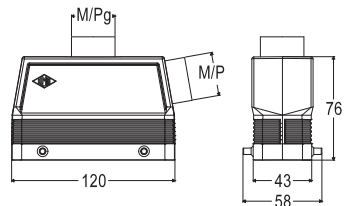
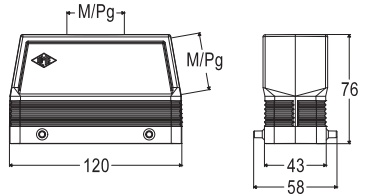
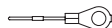
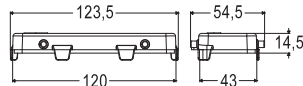
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHOW 24.25 MHOW 24.32 CHOW 24		M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, top entry To be used only with a complete cable gland		MHVW 24.25 MHVW 24.32 CHVW 24	M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, side or top entry, high construction	MAOW 24.32 MAOW 24.40 CAOW 24.29	MAVW 24.32 MAVW 24.40 CAVW 24.29	M32 M40 Pg 29	
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOW 24.32 MFOW 24.40	MFVW 24.32 MFVW 24.40	M32 M40	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCW 24 S	With eyelet CHCW 24		

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:



CHCP 24
Dust protection
cover
Page G.46

W-TYPE series – C-TYPE lever version

Housings and covers – 1 lever – with gasket

size **44.27**
**Aggressive
Environments**

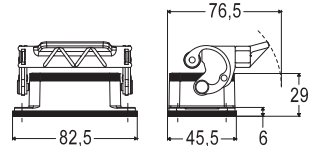
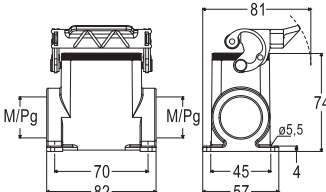
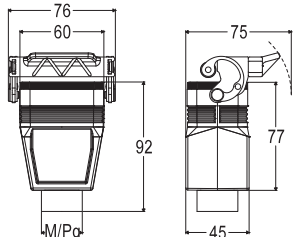
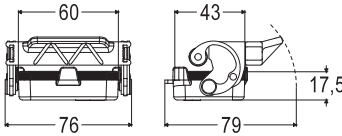
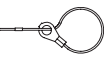

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket	CHIW 06 L		
	Surface mounting housings, 1 lever and gasket, high construction	MAPW 06 L32 CAPW 06 L	M32 Pg 21	
	Hoods, 1 lever and gasket, top entry, high construction, with metal adapter	MAYW 06 LG32 CAVW 06 LG	M32 Pg 21	
	Covers, 1 lever and gasket	CHCW 06 LG		
	For enclosures with 2 pegs without gasket with loop for hoods 			

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages	
CNE	16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE	16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕	B.52,58		
CQE / CQEY	16 A	10 + ⊕	B.72,82		
CDD	10 A	24 + ⊕	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108		
CSS	16 A	6 + ⊕	B.118		
CT / CTSE*	16 A	6 + ⊕	B.126,130		

*can be used only in bulkhead mounting housings

Complete with:


Hoods
Page E.155

Covers
Page E.155

W-TYPE series – C-TYPE lever version

size **57.27**

Housings and covers – 2 levers – with gasket

Aggressive
Environments

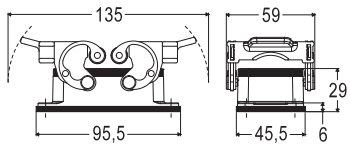
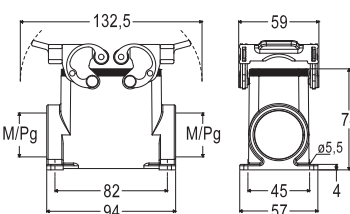
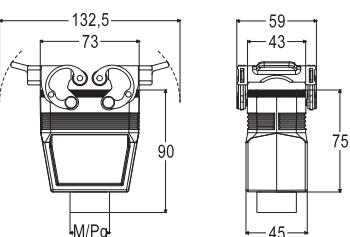
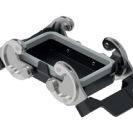
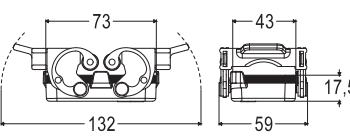
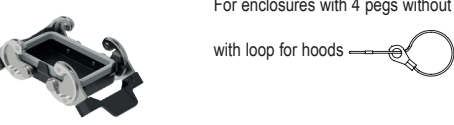
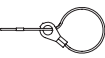
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIW 10		
	Surface mounting housings, 2 levers and gasket, high construction	MAPW 10.32 CAPW 10.21	M32 Pg 21	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MAVW 10 G32 CAVW 10 G	M32 Pg 21	
	Covers, 2 levers and gasket	CHCW 10 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts	Pages	
			MIXO modules	C.12-93	
			CX 03 T (3-slot sized MIXO frames)	C.95	

Complete with:

Hoods
Page E.157Covers
Page E.157

W-TYPE series – C-TYPE lever version

Housings and covers – 2 levers – with gasket

size **77.27**
**Aggressive
Environments**

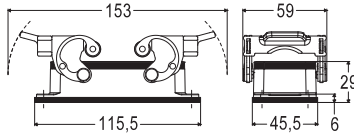
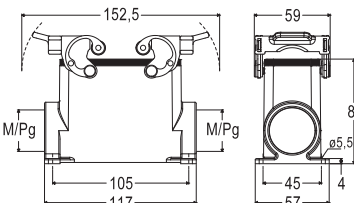
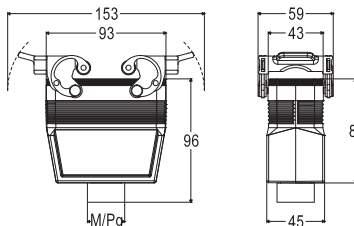
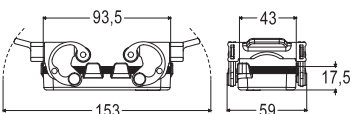
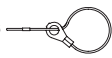

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIW 16		
	Surface mounting housings, 2 levers and gasket, high construction	MAPW 16.32 CAPW 16.21	M32 Pg 21	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MAYW 16 G32 CAVW 16 G29	M32 Pg 29	
	Covers, 2 levers and gasket	CHCW 16 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CT / CTSE*	16 A	16 + ☉ B.128,132		
CSHT	16 A	16 + ☉ B.67	CT / CTS*	10 A	40 + ☉ B.138,140		
CQE / CQEQ	16 A	32 + ☉ B.74,84	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CQEE	16 A	40 + ☉ B.78	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		

*can be used only in bulkhead mounting housings

Complete with:


Hoods
Page E.159

Covers
Page E.159

W-TYPE series – C-TYPE lever version

size **104.27**

Housings and covers – 2 levers – with gasket

Aggressive
Environments

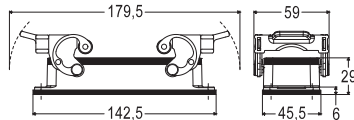
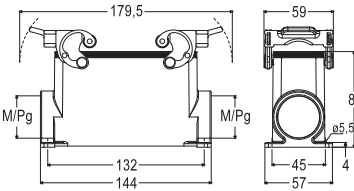
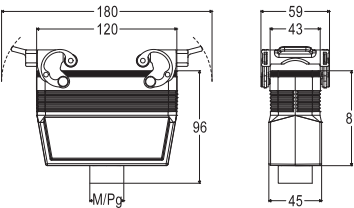
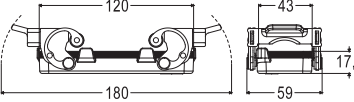
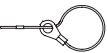
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIW 24		
	Surface mounting housings, 2 levers and gasket, high construction	MAPW 24.32 CAPW 24.21	M32 Pg 21	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MAVW 24 G32 CAVW 24 G	M32 Pg 21	
	Covers, 2 levers and gasket	CHCW 24 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEY	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:

Hoods
Page E.161Covers
Page E.161

W-TYPE series

Housings, hoods and covers – 2 levers – with gasket

size **77.62**
**Aggressive
Environments**

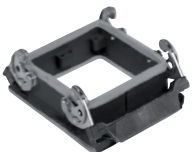
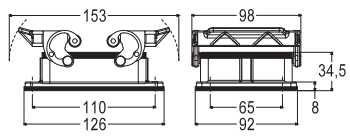
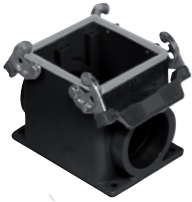
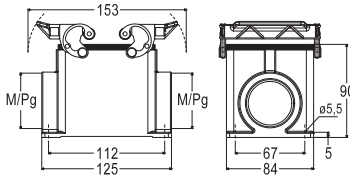
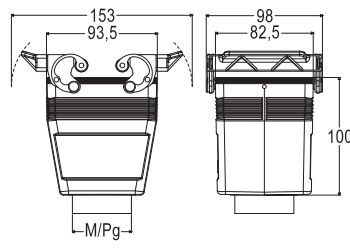
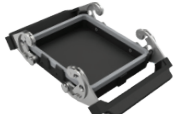
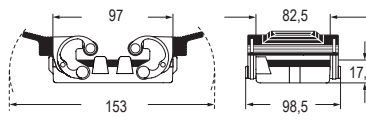
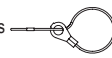

CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIW 32		
	Surface mounting housings, 2 levers and gasket	MHPW 32.50 CHPW 32	M50 Pg 29	
	Hoods, 2 levers and gasket, top entry, with metal adapter	MHVW 32 G40 CHVW 32 G	M40 Pg 36	
	Covers, 2 levers and gasket	CHCW 32 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

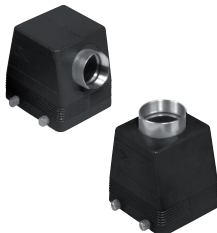
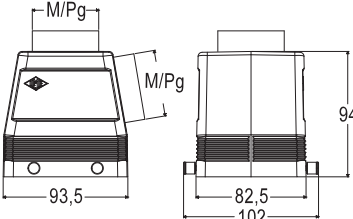
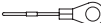
Inserts size (77.27) × 2	Poles	Pages	Inserts size (77.27) × 2	Poles	Pages
CNE 16 A	32 + ⊕	B.42	CSS 16 A	32 + ⊕	B.122
CCE 16 A	32 + ⊕	B.48	CTSE* 16 A	32 + ⊕	B.134
CSH / JSH S 16 A	32 + ⊕	B.56,62	CMCE / CMSH 16 A	12 + 4 (aux.) + ⊕	B.147,152
CQE / CQEY 16 A	64 + ⊕	B.76,86	*can be used only in bulkhead mounting housings		
CD 10 A	80 + ⊕	B.92			
CDD 10 A	144 + ⊕	B.98			
CDSH 10 A	54 + ⊕	B.106			
CP / CPY 35 A	12 + ⊕	B.113,115			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 04 T (4-slot sized MIXO frames) × 2		C.95

size **77.62**

Aggressive Environments

CE UK
CA

CUL[®]US ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side or top entry, with metal adapter	MHOW 32.40 CHOW 32	MHVW 32.40 CHVW 32	M40 Pg 36	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCW 32 S	With eyelet CHCW 32		

W-TYPE series

Housings – 1 lever – with gasket

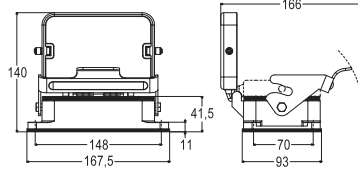
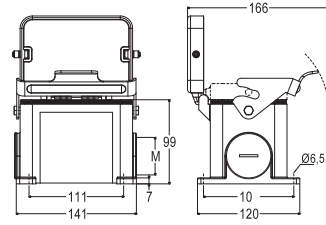
size **104.62**
**Aggressive
Environments**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 stainless steel rigid lever and gasket, with metal cover	CHIW 48 LS		
	Surface mounting housings, 1 stainless steel rigid lever and gasket, with metal cover	MHPW 48 LS40 CHPW 48 LS	M40 × 2 Pg 36 × 2	

Inserts size (104.27) × 2	Poles	Pages	Inserts size (104.27) × 2	Poles	Pages
CNE 16 A	48 + ⊕	B.43	CTSE* 16 A	48 + ⊕	B.135
CCE 16 A	48 + ⊕	B.49	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.148,153
CSH / JSH S 16 A	48 + ⊕	B.57,63	*can be used only in bulkhead mounting housings		
CQE / CQEY 16 A	92 + ⊕	B.77,87			
CD 10 A	128 + ⊕	B.93			
CDD 10 A	216 + ⊕	B.99			
CDSH 10 A	84 + ⊕	B.107			
CSS 16 A	48 + ⊕	B.123			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 06 T (6-slot sized MIXO frames) × 2		C.95

W-TYPE series

Hoods – 2 pegs – without gasket

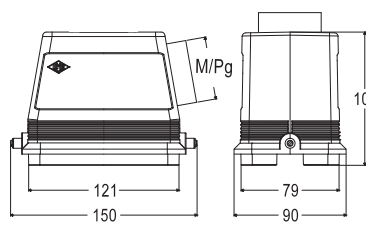
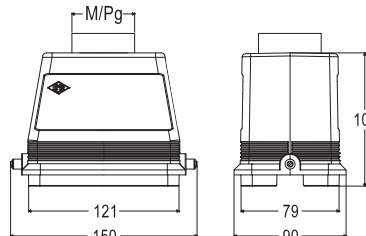
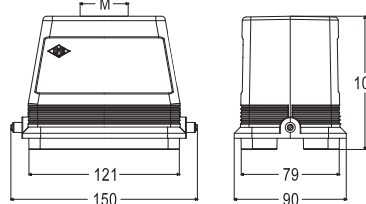
size **104.62**
**Aggressive
Environments**

CE UK


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry, with metal adapter	MHOW 48 L40 CHOW 48 L		M40 Pg 36	
	Hoods, 2 pegs, without gasket, top entry, with metal adapter		MHVW 48 L40 CHVW 48 L	M40 Pg 36	
	Hoods, 2 pegs, without gasket, top entry		MFVW 48 L63	M63	

W-TYPE

E

Inserts size (104.27) × 2	Poles	Pages	Inserts size (104.27) × 2	Poles	Pages
CNE 16 A	48 + ⊕	B.43	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.148,153
CCE 16 A	48 + ⊕	B.49			
CSH / JSH S 16 A	48 + ⊕	B.57,63			
CQE / CQEY 16 A	92 + ⊕	B.77,87			
CD 10 A	128 + ⊕	B.93			
CDD 10 A	216 + ⊕	B.99			
CDSH 10 A	84 + ⊕	B.107			
CSS 16 A	48 + ⊕	B.123			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 06 T (6-slot sized MIXO frames) × 2		C.95

Panel cut-out drawings

For W-TYPE series bulkhead mounting housings

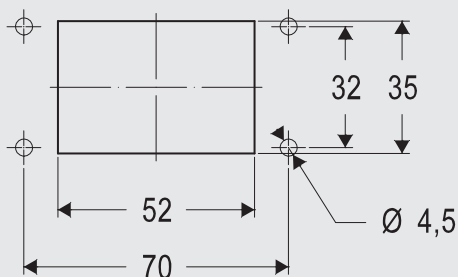
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

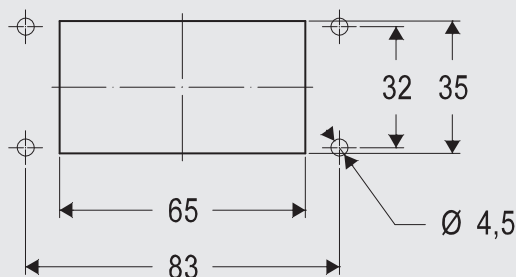
Scale 1:2

Size 44.27



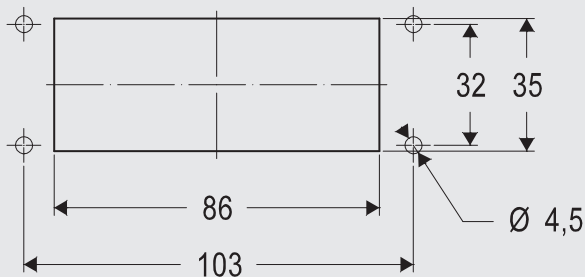
Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



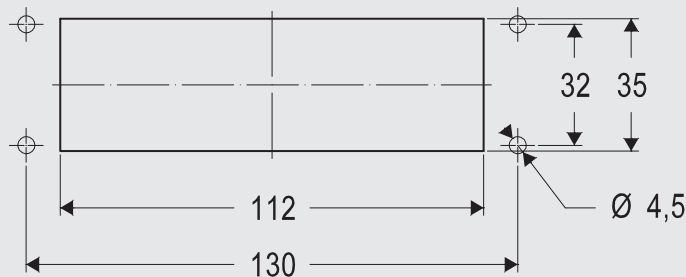
Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Accessories:



CG .. FL
Counterflanges for IP68
bulkhead mounting housings
Page G.45

Panel cut-out drawings

For W-TYPE series bulkhead mounting housings

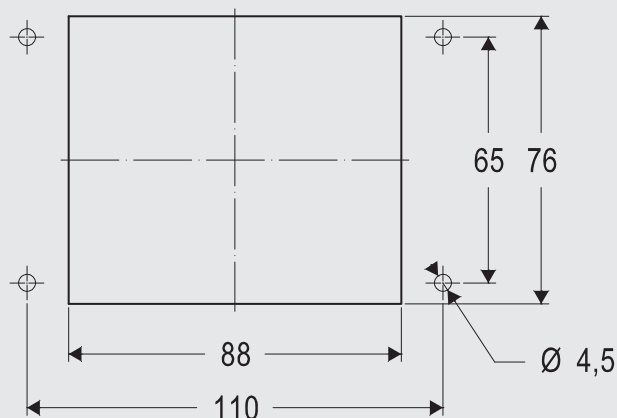
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μ m

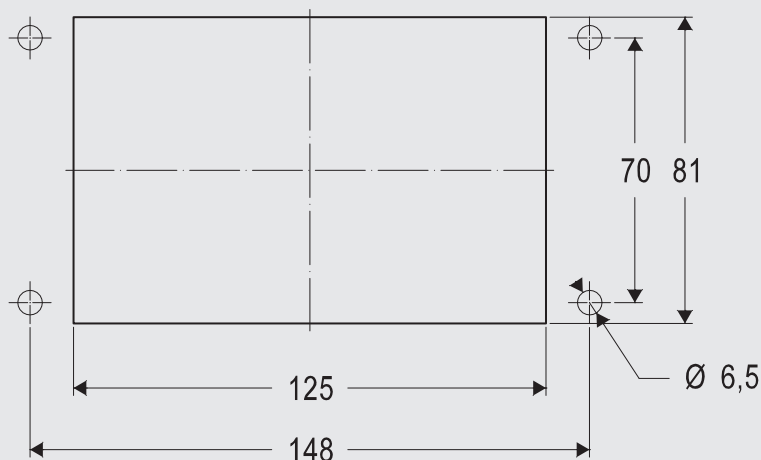
Scale 1:2

Size 77.62



Required screws: 4
Screws size: M4
Recommended torque:
1,2 – 1,8 Nm / 10.6 – 15.9 lb.in

Size 104.62



Required screws: 4
Screws size: M6
Recommended torque:
3,0 – 3,6 Nm / 26.6 – 31.9 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Accessories:



CG .. FL
Counterflanges for IP68
bulkhead mounting housings
Page G.45



E-Xtreme® series

Protection and beyond



E-Xtreme® series enclosures

E-Xtreme® series hoods and housings are intended for highly demanding environments.

The unique patented protective coating applied before the coating guarantees maximum protection against pollution, erosion and long-term exposure to corrosive agents.

SUM-UP

- > Made of die cast aluminium alloy, epoxy powder coated, dark grey RAL 7016.
- > FKM gasket (IP68 series with NBR gasket or silicone gasket upon request).
- > Temperature range:
 - enclosures with V-TYPE lever: -40 °C...+125 °C*
(-60 °C...+125 °C* with silicone gasket)
 - enclosures with C-TYPE lever: -40 °C...+125 °C*
(-60 °C...+125 °C* with silicone gasket)
 - enclosures with IP-68 locking system: -40 °C...+125 °C*
(-60 °C...+125 °C* with silicone gasket)

* (>125 °C up to 180 °C with RY inserts)

✔ Markings and Approvals

- **CE** and **UK** markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP66 / IP67 / IP69 degree of protection, IP66 / IP68 / IP69 for IP68 series.
- RoHS: compliant



TECHNICAL FEATURES

Levers and technology

- 1 **V-TYPE lever** IP65 / IP67 / IP69: the V-type closing principle consists of a two-step movement, thanks to the designed hinged elements pivoted on the housing: the lever is moved above the housing pegs and then pressed downwards to engage the locking mechanism.
- 2 **C-TYPE lever** IP65 / IP66 / IP69: stainless steel lever with thermoplastic handles, designed to reduce the wear of the pegs on the hoods significantly, thanks to the presence of riveted rolls on a double spring mechanism. The C-TYPE locking system provides smooth closure, resilience, and compensation for any coupling tolerance.
- 3 **Corrosion-proof** aluminium with a special coating under the powder painting colour RAL 7016 dark grey.
- 4 **FKM**: Fluoroelastomer gasket (with improved resistance to chemicals and aging).
- 5 Hoods with moulded pegs or riveted stainless-steel bolts.

2 000 hrs resistance
in salt spray tests

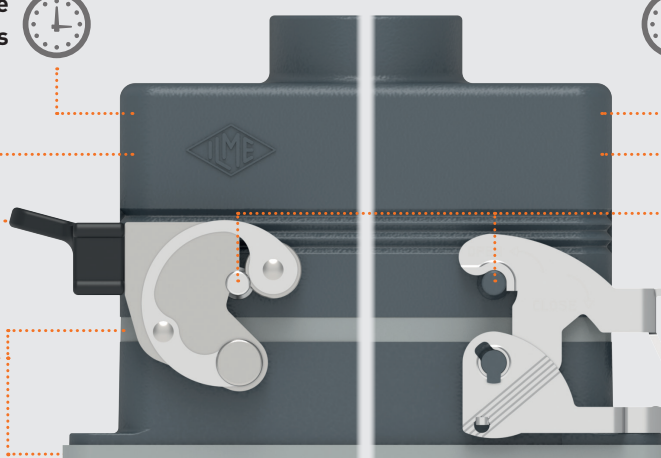


3

2

C-TYPE

4



3 000 hrs resistance
in salt spray tests

3

5

V-TYPE



Icing



Very low
temperatures



Salt
mist



Impact
resistant



UV
radiations



Chemical
resistant

Applicable test standards

EN 61984:2009-06	Connectors - Safety requirements and tests
EN 60529: 1991 + A1: 2000 + A2: 2013	Degrees of protection provided by enclosures (IP code)
EN ISO 9227: 2012	Corrosion tests in artificial atmospheres - Salt spray tests
EN 61373 cat. 1B, 3 axis	Vibration test / Shock test
EN 60068-2-6	10÷500 Hz 0,35mm/5g break point 60, 1 Hz 3 axis
ASTM B117-16	Standard practice for operating salt spray (fog) apparatus
EN 60512 (series)	Connectors for electronic equipment - Tests and measurement
EN 60068-2-68: 1996	Environmental testing - Part 2-68: Tests - Test L: Dust and sand
EN ISO 20567-1: 2005	Paints and varnishes -- Determination of stone-chip resistance of coatings -- Part 1: Multi-impact testing



E-Xtreme® – V-TYPE lever version

Housings – 1 lever – with gasket

size **44.27****3 000 hrs resistance**
in salt-spray tests**Aggressive Environments**

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

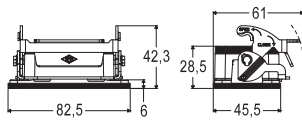
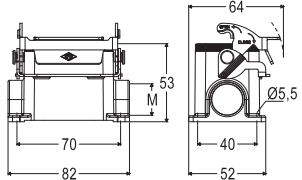
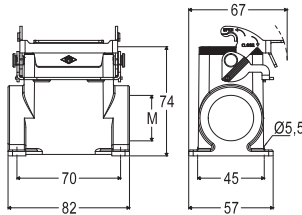
CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IE 06 L		
	Surface mounting housings, 1 lever and gasket,  2 000 hrs	M7PE 06 L20 M7PE 06 L220	M20 M20 × 2	
	Surface mounting housings, 1 lever and gasket, high construction  2 000 hrs	M7APE 06 L32 M7APE 06L232 M7APE 06 L40 M7APE 06L240	M32 M32 × 2 M40 M40 × 2	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕		
CQE / CQEY	16 A	10 + ⊕		
CDD 10 A	24 + ⊕	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ⊕		
CSS 16 A	6 + ⊕	B.118		
CT / CTSE*	16 A	6 + ⊕		

180 °C Inserts size 44.27	Poles	Pages
CNE RY** 16 A	6 + ⊕	I.5

** >125 °C up to 180 °C

*can be used only in bulkhead mounting housings

E-Xtreme® – V-TYPE lever version

size **44.27**

Hoods – 2 pegs – without gasket

3 000 hrs resistance
in salt-spray tests

Aggressive Environments


EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

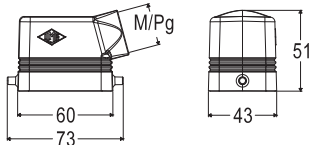
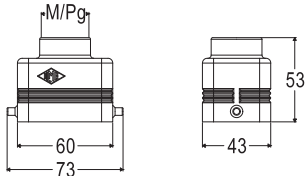
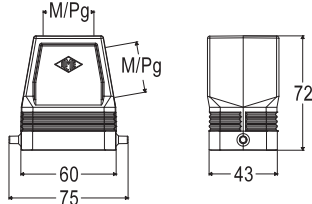
*(>125 °C up to 180 °C with RY inserts)

CE UK



cALUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, side entry	MHOE 06 L20M MHOE 06 L25M		M20 M25	
	Hoods, 2 pegs, top entry To be used only with a complete cable gland		MHVE 06 L20M MHVE 06 L25M	M20 M25	
	Hoods, 2 pegs, side or top entry, high construction To be used only with a complete cable gland	MFOE 06 L32M MFOE 06 L40M	MFVE 06 L32M MFVE 06 L40M	M32 M40	

E-Xtreme®

E

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	6 + ⊕	B.52,58		
CQE / CQEY	10 + ⊕	B.72,82		
CDD 10 A	24 + ⊕	B.94		
CDSH / CDSH NC	9 and 6 + ⊕	B.102,108		
CSS 16 A	6 + ⊕	B.118		

180 °C Inserts size 44.27	Poles	Pages
CNE RY**	16 A 6 + ⊕	I.5

** >125 °C up to 180 °C

E-Xtreme® – V-TYPE lever version

Housings – 2 levers – with gasket

size **57.27**
3 000 hrs resistance
in salt-spray tests

Aggressive
Environments


EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

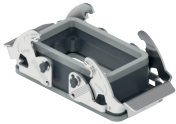
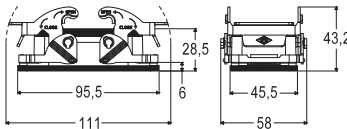
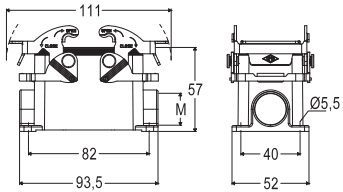
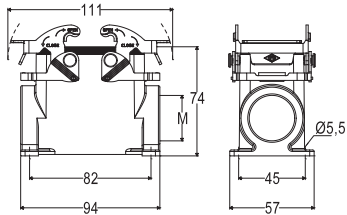
CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IE 10		
	Surface mounting housings, 2 levers and gasket  2 000 hrs	M7PE 10.20 M7PE 10.220	M20 M20 × 2	
	Surface mounting housings, 2 levers and gasket, high construction  2 000 hrs	M7APE 10.32 M7APE 10.232 M7APE 10.40 M7APE 10.240	M32 M32 × 2 M40 M40 × 2	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages	180 °C Inserts size 57.27	Poles	Pages			
CNE	16 A	10 + ☉	B.39	CT / CTSE*	16 A	10 + ☉	B.127,131	CNE RY**	16 A	10 + ☉	I.6
CCE	16 A	10 + ☉	B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉	B.144,149	** >125 °C up to 180 °C			
CSH / JSH S	16 A	10 + ☉	B.53,59	CX	40 A/10 A	8/24 + ☉	B.170-171				
CSHT	16 A	10 + ☉	B.66	*can be used only in bulkhead mounting housings							
CQE / CQEY	16 A	18 + ☉	B.73,83								
CDD	10 A	42 + ☉	B.95	MIXO Modular Inserts							
CDSH	10 A	18 + ☉	B.103								
CSS	16 A	10 + ☉	B.119	MIXO modules							
				CX 03 T (3-slot sized MIXO frames)							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.95							
				C.12-93							
				C.9							

E-Xtreme® – V-TYPE lever version

size **57.27**

Hoods – 4 pegs – without gasket

3 000 hrs resistance
in salt-spray tests

Aggressive Environments

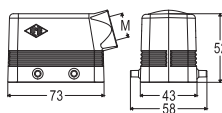
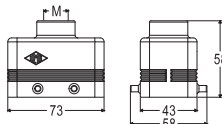
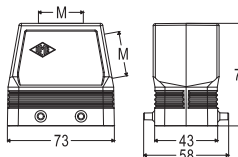

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, side entry	MHOE 10.20M MHOE 10.25M		M20 M25	
	Hoods, 4 pegs, top entry To be used only with a complete cable gland		MHVE 10.20M MHVE 10.25M	M20 M25	
	Hoods, 4 pegs, side or top entry, high construction To be used only with a complete cable gland	MFOE 10.32M MFOE 10.40M	MFVE 10.32M MFVE 10.40M	M32 M40	

E-Xtreme®

E

Inserts size 57.27				Inserts size 57.27				180 °C Inserts size 57.27			
		Poles	Pages			Poles	Pages			Poles	Pages
CNE	16 A	10 + ☉	B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉	B.144,149	CNE RY**	16 A	10 + ☉	I.6
CCE	16 A	10 + ☉	B.45	CX	40 A/10 A	8/24 + ☉	B.170-171	** >125 °C up to 180 °C			
CSH / JSH S	16 A	10 + ☉	B.53,59								
CSHT	16 A	10 + ☉	B.66								
CQE / CQEY	16 A	18 + ☉	B.73,83								
CDD	10 A	42 + ☉	B.95								
CDSH	10 A	18 + ☉	B.103	MIXO Modular Inserts				Pages			
CSS	16 A	10 + ☉	B.119	MIXO modules				C.12-93			
				CX 03 T (3-slot sized MIXO frames)				C.95			

E-Xtreme® – V-TYPE lever version

Housings – 2 levers – with gasket

size **77.27**
3 000 hrs resistance
in salt-spray tests

Aggressive
Environments


EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

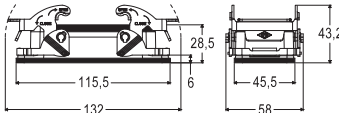
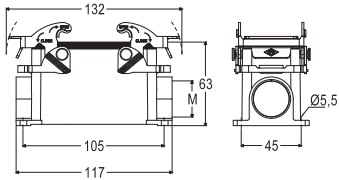
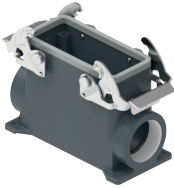
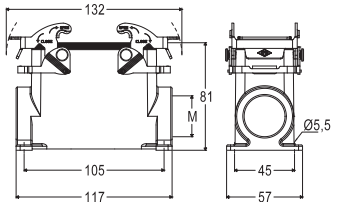
CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IE 16		
	Surface mounting housings, 2 levers and gasket  2 000 hrs	M7PE 16.25 M7PE 16.225	M25 M25 × 2	
	Surface mounting housings, 2 levers and gasket, high construction  2 000 hrs	M7APE 16.32 M7APE 16.232 M7APE 16.40 M7APE 16.240	M32 M32 × 2 M40 M40 × 2	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150	180 °C Inserts size 77.27	Poles Pages
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160	CNE RY**	16 A 16 + ⊕ I.7
CD 10 A	40 + ⊕	B.90				CP RY**	35 A 6 + ⊕ I.10
CDD 10 A	72 + ⊕	B.94				CX RY**	80 A 4 + ⊕ I.11
CDSH 10 A	27 + ⊕	B.104				CX RY**	80 A/16 A 4/2 + ⊕ I.12

*can be used only in bulkhead mounting housings

** >125 °C up to 180 °C

E-Xtreme® – V-TYPE lever version

size **77.27**

Hoods – 4 pegs – without gasket

3 000 hrs resistance
in salt-spray tests

Aggressive
Environments

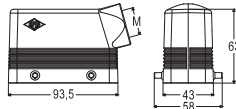
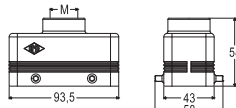
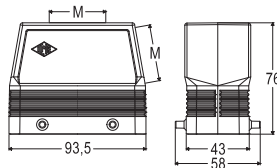

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, side entry	MHOE 16.25M MHOE 16.32M		M25 M32	
	Hoods, 4 pegs, top entry To be used only with a complete cable gland		MHVE 16.25M MHVE 16.32M	M25 M32	
	Hoods, 4 pegs, side or top entry, high construction To be used only with a complete cable gland	MFOE 16.32M MFOE 16.40M	MFVE 16.32M MFVE 16.40M	M32 M40	

E-Xtreme®

E

Inserts size 77.27	Poles	Pages
CNE 16 A	16 + ⊕	B.40
CCE 16 A	16 + ⊕	B.46
CSH / JSH S	16 + ⊕	B.54,60
CSHT	16 + ⊕	B.67
CQE / CQEY	16 A	32 + ⊕ B.74,84
CQEE	16 A	40 + ⊕ B.78
CD	10 A	40 + ⊕ B.90
CDD	10 A	72 + ⊕ B.94
CDSH	10 A	27 + ⊕ B.104

Inserts size 77.27	Poles	Pages
CP / CPY	35 A	6 + ⊕ B.112,114
CSS	16 A	16 + ⊕ B.120
CMCE / CMSH	16 A	6 + 2 (aux.) + ⊕ B.145,150
CX / CXC	80 A/16 A	4/0, 4/2 + ⊕ B.158-160
CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕ B.163-164, 168-169

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames)	C.95

180 °C Inserts size 77.27	Poles	Pages
CNE RY**	16 A	16 + ⊕ I.7
CP RY**	35 A	6 + ⊕ I.10
CX RY**	80 A	4 + ⊕ I.11
CX RY**	80 A/16 A	4/2 + ⊕ I.12

** >125 °C up to 180 °C

dimensions shown in mm are not binding and may be changed without notice

E-Xtreme® – V-TYPE lever version

Housings – 2 levers – with gasket

size **104.27**
3 000 hrs resistance
in salt-spray tests

Aggressive
Environments


EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

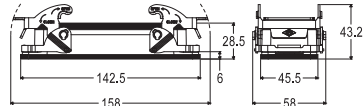
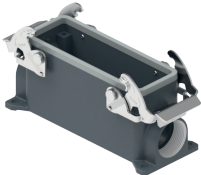
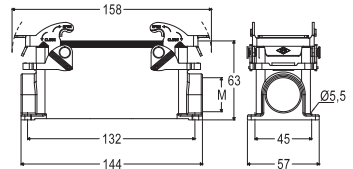
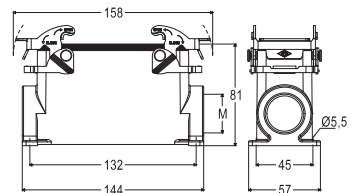
CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	C7IE 24		
	Surface mounting housings, 2 levers and gasket  2 000 hrs	M7PE 24.25 M7PE 24.225	M25 M25 × 2	
	Surface mounting housings, 2 levers and gasket, high construction  2 000 hrs	M7APE 24.32 M7APE 24.232 M7APE 24.40 M7APE 24.240	M32 M32 × 2 M40 M40 × 2	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157	180 °C Inserts size 104.27	Poles Pages
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162	CNE RY** 16 A	24 + ⊕ I.8
CD 10 A	64 + ⊕	B.91				CX RY** 80 A/16 A	4/2 + ⊕ I.13
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

*can be used only in bulkhead mounting housings

** >125 °C up to 180 °C

E-Xtreme® – V-TYPE lever version

size **104.27**

Hoods – 4 pegs – without gasket

3 000 hrs resistance
in salt-spray tests

Aggressive
Environments

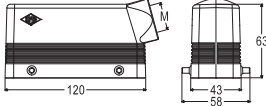
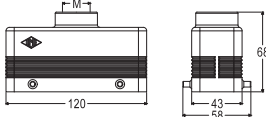
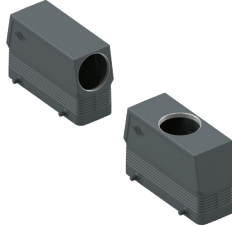
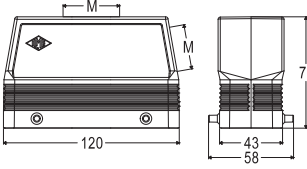

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C*
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

*(>125 °C up to 180 °C with RY inserts)

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, side entry	MHOE 24.25M MHOE 24.32M		M25 M32	
	Hoods, 4 pegs, top entry To be used only with a complete cable gland		MHVE 24.25M MHVE 24.32M	M25 M32	
	Hoods, 4 pegs, side or top entry, high construction To be used only with a complete cable gland	MFOE 24.32M MFOE 24.40M	MFVE 24.32M MFVE 24.40M	M32 M40	

E-Xtreme®

E

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☉ B.121
CMCE / CMSE	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

180 °C Inserts size 104.27	Poles	Pages
CNE RY**	16 A	24 + ☉ I.8
CX RY**	80 A/16 A	4/2 + ☉ I.13

** >125 °C up to 180 °C

E-Xtreme® – C-TYPE lever version

Housings, hoods and covers – 1 lever – with gasket

size **44.27**
2 000 hrs resistance
in salt-spray tests

Aggressive
Environments

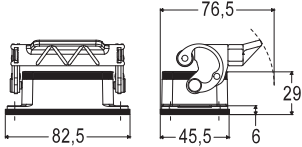
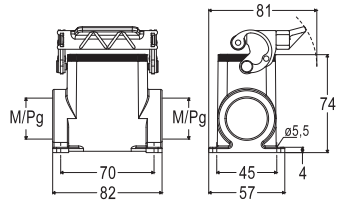
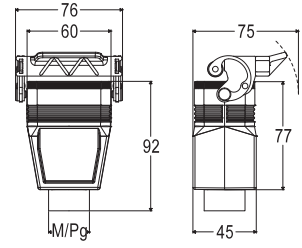
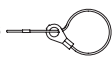
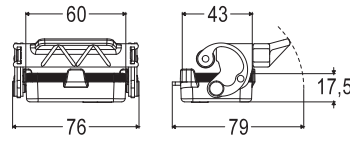

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket	CHIE 06 L		
	Surface mounting housings, 1 lever and gasket, high construction	MAPE 06 L32	M32	
	Hoods, 1 lever and gasket, top entry, high construction, with metal adapter	MAVE 06 LG32	M32	
	Covers, 1 lever and gasket For enclosures with 2 pegs without gasket with loop for hoods 	CHCE 06 LG		

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ⊕	B.38	
CCE	16 A	6 + ⊕	B.44	
CSH / JSH S	16 A	6 + ⊕	B.52,58	
CQE / CQEY	16 A	10 + ⊕	B.72,82	
CDD	10 A	24 + ⊕	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108	
CSS	16 A	6 + ⊕	B.118	
CT / CTSE*	16 A	6 + ⊕	B.126,130	

*can be used only in bulkhead mounting housings

Accessories:


CHCP 06
Dust protection
cover
Page G.46

E-Xtreme® – C-TYPE lever version

size **44.27**

Hoods and covers – 2 pegs – without gasket

2 000 hrs resistance
in salt-spray tests

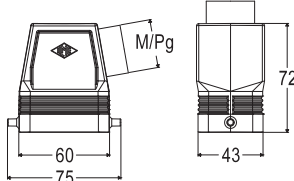
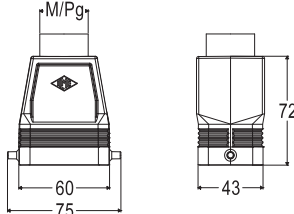
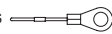
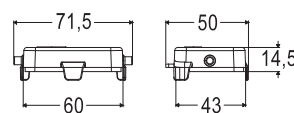
Aggressive
Environments


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, side entry, high construction, with metal adapter	MAOE 06 L32		M32	
	Hoods, 2 pegs, top entry, high construction, with metal adapter		MAVE 06 L32	M32	
	Covers, 2 pegs For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 	With loop CHCE 06 SL	With eyelet CHCE 06 L		

E-Xtreme®

E

Inserts size 44.27	Poles	Pages
CNE	16 A	6 + ⊕ B.38
CCE	16 A	6 + ⊕ B.44
CSH / JSH S	16 A	6 + ⊕ B.52,58
CQE / CQEY	16 A	10 + ⊕ B.72,82
CDD	10 A	24 + ⊕ B.94
CDSH / CDSH NC	10 A	9 and 6 + ⊕ B.102,108
CSS	16 A	6 + ⊕ B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:


CHCP 06
Dust protection
cover
Page G.46

E-Xtreme® – C-TYPE lever version

Housings, hoods and covers – 2 levers – with gasket

size **57.27**

2 000 hrs resistance
in salt-spray tests



Aggressive
Environments



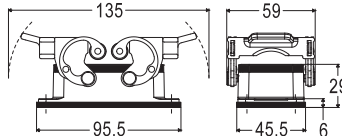
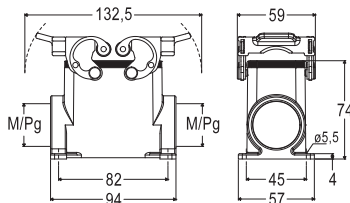
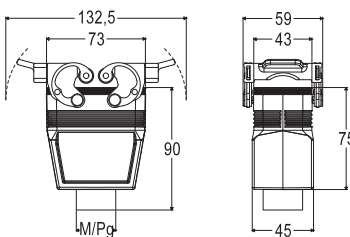
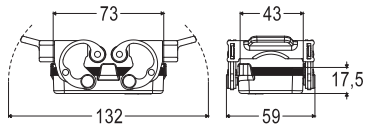
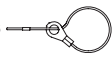
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIE 10		
	Surface mounting housings, 2 levers and gasket, high construction	MAPE 10.32	M32	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MAVE 10 G32	M32	
	Covers, 2 levers and gasket	CHCE 10 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:



CHCP 10
Dust protection
cover
Page G.46



CR LCK
Locking
device
Page G.43

E-Xtreme® – C-TYPE lever version

size **57.27**

Hoods and covers – 4 pegs – without gasket

2 000 hrs resistance
in salt-spray tests

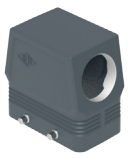
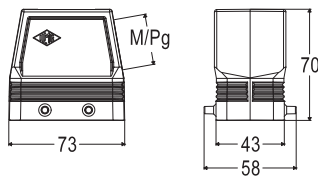
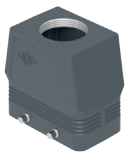
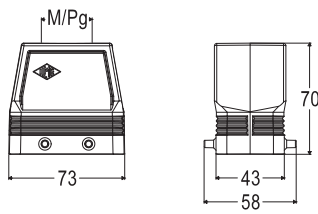
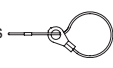
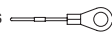
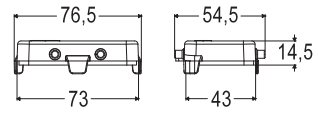
Aggressive
Environments


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, side entry, high construction To be used only with a complete cable gland	MFOE 10.32		M32	
	Hoods, 4 pegs, top entry, high construction To be used only with a complete cable gland		MFVE 10.32	M32	
	Covers, 4 pegs For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCE 10 S	With eyelet CHCE 10		

E-Xtreme®

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages		
CNE	16 A	10 + ☉	B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉	B.144,149
CCE	16 A	10 + ☉	B.45	CX	40 A/10 A	8/24 + ☉	B.170-171
CSH / JSH S	16 A	10 + ☉	B.53,59				
CSHT	16 A	10 + ☉	B.66				
CQE / CQEY	16 A	18 + ☉	B.73,83				
CDD	10 A	42 + ☉	B.95				
CDSH	10 A	18 + ☉	B.103				
CSS	16 A	10 + ☉	B.119				

Accessories:


CHCP 10
Dust protection
cover
Page G.46

E-Xtreme® – C-TYPE lever version

Housings, hoods and covers – 2 levers – with gasket

size **77.27**

2 000 hrs resistance
in salt-spray tests



Aggressive
Environments



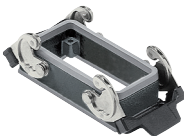
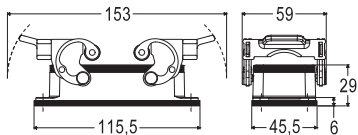
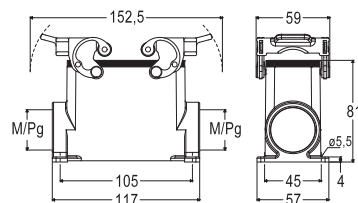
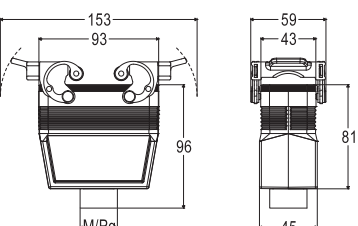
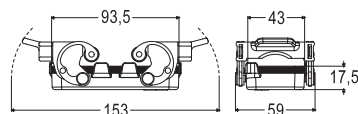
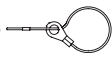
EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIE 16		
	Surface mounting housings, 2 levers and gasket, high construction	MAPE 16.32	M32	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MAVE 16 G32	M32	
	Covers, 2 levers and gasket	CHCE 16 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CT / CTSE*	16 A	16 + ☉ B.128,132		
CSHT	16 A	16 + ☉ B.67	CT / CTS*	10 A	40 + ☉ B.138,140		
CQE / CQEQ	16 A	32 + ☉ B.74,84	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CQEE	16 A	40 + ☉ B.78	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		

*can be used only in bulkhead mounting housings

Accessories:



CHCP 16
Dust protection
cover
Page G.46



CR LCK
Locking
device
Page G.43

E-Xtreme® – C-TYPE lever version

size **77.27**

Hoods and covers – 4 pegs – without gasket

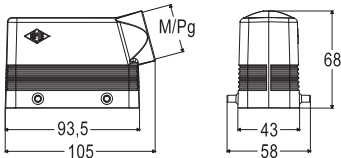
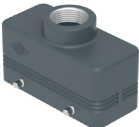
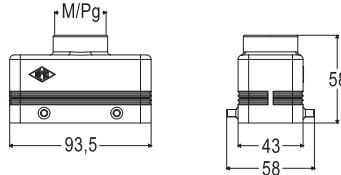
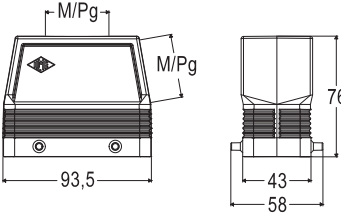
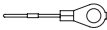
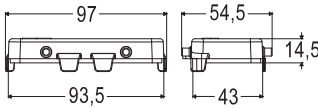
2 000 hrs resistance
in salt-spray testsAggressive
Environments

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, side entry, high construction	MHOE 16.25 MHOE 16.32		M25 M32	
	Hoods, 4 pegs, top entry, high construction To be used only with a complete cable gland		MHVE 16.25 MHVE 16.32	M25 M32	
	Hoods, 4 pegs, side or top entry, high construction To be used only with a complete cable gland	MFOE 16.32 MFOE 16.40	MFVE 16.32 MFVE 16.40	M32 M40	
	Covers, 4 pegs For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCE 16 S	With eyelet CHCE 16		

E-Xtreme®

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Accessories:



CHCP 16
Dust protection
cover
Page G.46

E-Xtreme® – C-TYPE lever version

Housings, hoods and covers – 2 levers – with gasket

size **104.27**
2 000 hrs resistance
in salt-spray tests

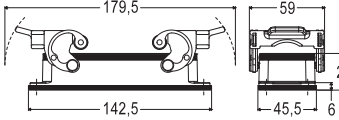
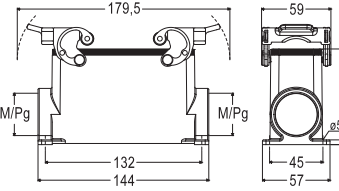
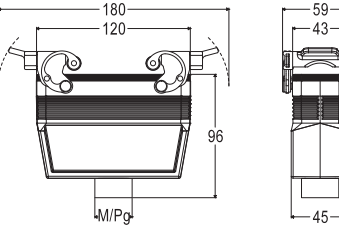
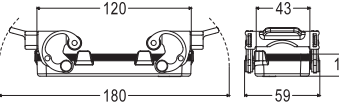
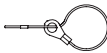
Aggressive
Environments


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIE 24		
	Surface mounting housings, 2 levers and gasket, high construction	MAPE 24.32	M32	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MAVE 24 G32	M32	
	Covers, 2 levers and gasket	CHCE 24 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEQ	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:


CHCP 24
Dust protection
cover
Page G.46

CR LCK
Locking
device
Page G.43

E-Xtreme® – C-TYPE lever version

Hoods and covers – 4 pegs – without gasket

size **104.27**

2 000 hrs resistance
in salt-spray tests



Aggressive
Environments

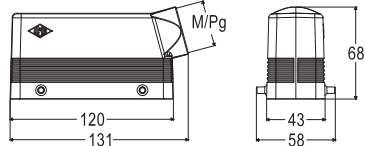
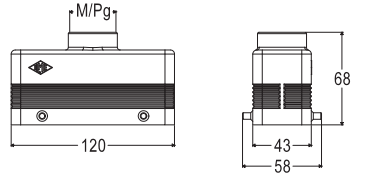
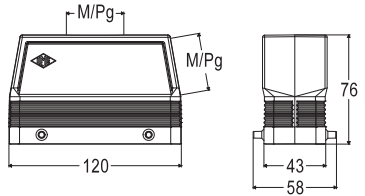
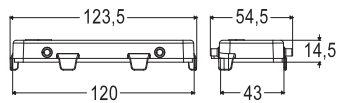


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, side entry, high construction	MHOE 24.25 MHOE 24.32		M25 M32	
	Hoods, 4 pegs, top entry, high construction To be used only with a complete cable gland		MHVE 24.25 MHVE 24.32	M25 M32	
	Hoods, 4 pegs, side or top entry, high construction To be used only with a complete cable gland	MFOE 24.32 MFOE 24.40	MFVE 24.32 MFVE 24.40	M32 M40	
	Covers, 4 pegs For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCE 24 S	With eyelet CHCE 24		

E-Xtreme®

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☺ B.41	CSS	16 A	24 + ☺ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☺ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☺ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☺ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☺ B.156-157		
CSHT	16 A	24 + ☺ B.68	CX / CXC	80 A/16 A	4/8 + ☺ B.161-162		
CQE / CQEY	16 A	46 + ☺ B.75,85					
CQEE	16 A	64 + ☺ B.79					
CD	10 A	64 + ☺ B.91					
CDD	10 A	108 + ☺ B.97					
CDSH	10 A	42 + ☺ B.105					

Accessories:



CHCP 24
Dust protection
cover
Page G.46

E-Xtreme® – C-TYPE lever version

Housings, hoods and covers – 2 levers – with gasket

size **77.62**

2 000 hrs resistance
in salt-spray tests



Aggressive Environments

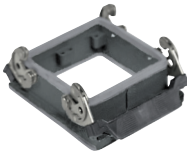
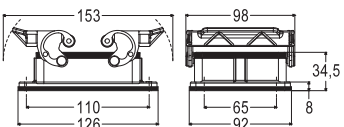
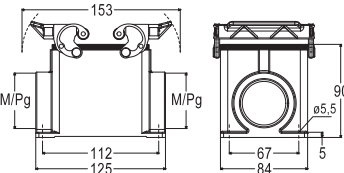
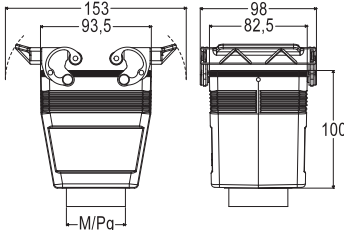
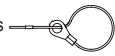
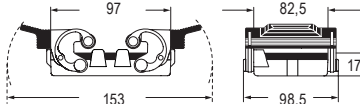


EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK
CA



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIE 32		
	Surface mounting housings, 2 levers and gasket	MHPE 32.50	M50	
	Hoods, 2 levers and gasket, top entry, high construction, with metal adapter	MHVE 32 G40	M40	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHCE 32 G		

Inserts size (77.27) × 2	Poles	Pages
CNE 16 A	32 + ⊕	B.42
CCE 16 A	32 + ⊕	B.48
CSH / JSH S 16 A	32 + ⊕	B.56,62
CQE / CQEY 16 A	64 + ⊕	B.76,86
CD 10 A	80 + ⊕	B.92
CDD 10 A	144 + ⊕	B.98
CDSH 10 A	54 + ⊕	B.106
CP / CPY 35 A	12 + ⊕	B.113,115

Inserts size (77.27) × 2	Poles	Pages
CSS 16 A	32 + ⊕	B.122
CTSE* 16 A	32 + ⊕	B.134
CMCE / CMSH 16 A	12 + 4 (aux.) + ⊕	B.147,152

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames) × 2	C.95

E-Xtreme® – C-TYPE lever version

size **77.62**

Hoods and covers – 4 pegs – without gasket

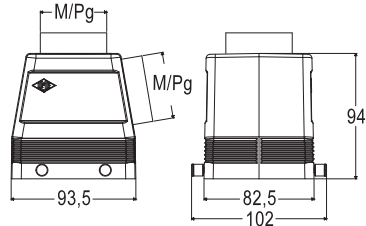
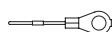
2 000 hrs resistance
in salt-spray testsAggressive
Environments

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side or top entry, high construction, with metal adapter	MHOE 32.40	MHVE 32.40	M40	
	Covers, 4 pegs, without gasket	With loop CHCE 32 S	With eyelet CHCE 32		
	For enclosures with 2 levers and gasket				
	with loop for hoods 				
	or				
	with eyelet for housings 				

Inserts size (77.27) × 2	Poles	Pages	Inserts size (77.27) × 2	Poles	Pages
CNE	16 A	32 + ⊕ B.42	CSS	16 A	32 + ⊕ B.122
CCE	16 A	32 + ⊕ B.48	CMCE / CMSH	16 A	12 + 4 (aux.) + ⊕ B.147,152
CSH / JSH S	16 A	32 + ⊕ B.56,62			
CQE / CQEY	16 A	64 + ⊕ B.76,86			
CD	10 A	80 + ⊕ B.92			
CDD	10 A	144 + ⊕ B.98			
CDSH	10 A	54 + ⊕ B.106			
CP / CPY	35 A	12 + ⊕ B.113,115			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 04 T (4-slot sized MIXO frames) × 2		C.95

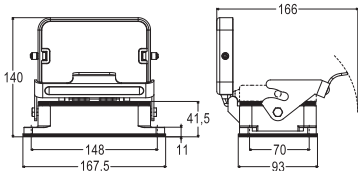
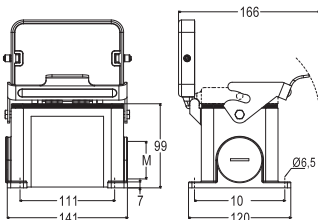
**E-Xtreme®****Housings – 1 lever – with gasket**size **104.62****2 000 hrs resistance**
in salt-spray tests**Aggressive**
Environments

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket, with metal cover	CHIE 48 LS		
	Surface mounting housings, 1 lever and gasket, with metal cover	MHPE 48 LS40	M40 × 2	

Inserts size (104.27) × 2	Poles	Pages	Inserts size (104.27) × 2	Poles	Pages
CNE 16 A	48 + ⊕	B.43	CTSE* 16 A	48 + ⊕	B.135
CCE 16 A	48 + ⊕	B.49	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.148,153
CSH / JSH S 16 A	48 + ⊕	B.57,63	*can be used only in bulkhead mounting housings		
CQE / CQEY 16 A	92 + ⊕	B.77,87			
CD 10 A	128 + ⊕	B.93			
CDD 10 A	216 + ⊕	B.99			
CDSH 10 A	84 + ⊕	B.107			
CSS 16 A	48 + ⊕	B.123			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 06 T (6-slot sized MIXO frames) × 2		C.95

E-Xtreme®

Hoods – 2 pegs – without gasket

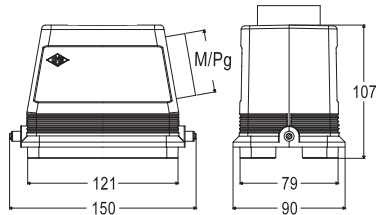
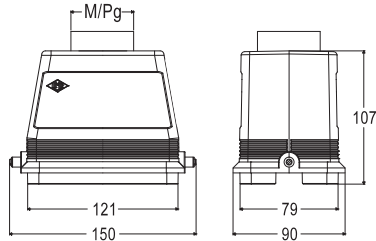
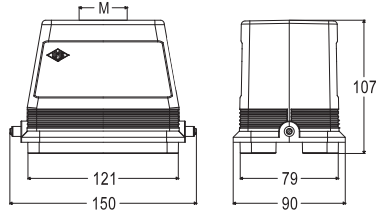
size **104.62**2 000 hrs resistance
in salt-spray testsAggressive
Environments

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry, with metal adapter	MHOE 48 L40		M40	
	Hoods, 2 pegs, without gasket, top entry, with metal adapter		MHVE 48 L40	M40	
	Hoods, 2 pegs, without gasket, top entry		MFVE 48 L63	M63	

E-Xtreme®

E

Inserts size (104.27) × 2	Poles	Pages	Inserts size (104.27) × 2	Poles	Pages
CNE 16 A	48 + ⊕	B.43	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.148,153
CCE 16 A	48 + ⊕	B.49			
CSH / JSH S 16 A	48 + ⊕	B.57,63			
CQE / CQEY 16 A	92 + ⊕	B.77,87			
CD 10 A	128 + ⊕	B.93			
CDD 10 A	216 + ⊕	B.99			
CDSH 10 A	84 + ⊕	B.107			
CSS 16 A	48 + ⊕	B.123			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 06 T (6-slot sized MIXO frames) × 2		C.95

E-Xtreme® – IP68 high protection version

size **44.27**

Housings, hoods and covers – Screw locking

3 000 hrs resistance
in salt-spray tests

Aggressive
Environments


EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

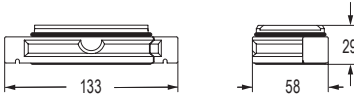
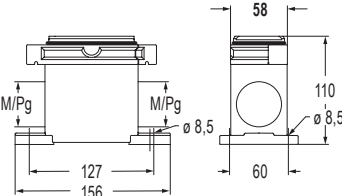
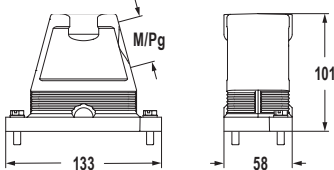
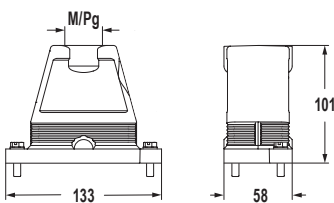
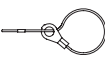
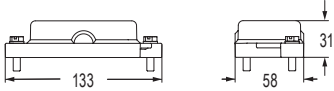
*(>125 °C up to 180 °C with RY inserts)

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGIE 06		
	Surface mounting housings, screw locking	MGPE 06.32	M32	
	Hoods, side entry, screw locking	MGOE 06.25 MGOE 06.32	M25 M32	
	Hoods, top entry, screw locking	MGVE 06.25 MGVE 06.32 MGVE 06.40	M25 M32 M40	
	Covers, screw locking, for housings With loop 	CGCE 06		

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

180 °C Inserts size 44.27	Poles	Pages
CNE RY**	16 A 6 + ⊕	I.5

** >125 °C up to 180 °C

Accessories:


CGCP FX
Dust protection
cover
Page G.47

CGCP MB
Dust protection
cover
Page G.47

E-Xtreme® – IP68 high protection version

size **57.27**

Housings, hoods and covers – Screw locking

3 000 hrs resistance
in salt-spray tests

Aggressive Environments


EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

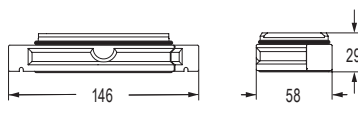
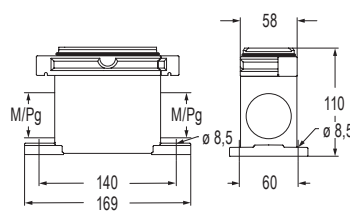
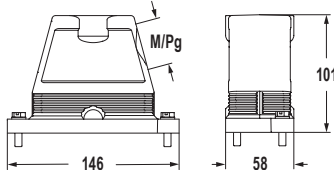
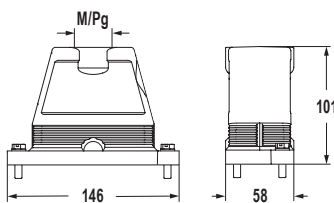
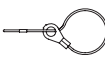
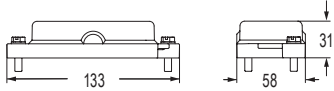
*(>125 °C up to 180 °C with RY inserts)

CE UK



cALUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGIE 10		
	Surface mounting housings, screw locking	MGPE 10.32	M32	
	Hoods, side entry, screw locking	MGOE 10.25 MGOE 10.32	M25 M32	
	Hoods, top entry, screw locking	MGVE 10.25 MGVE 10.32 MGVE 10.40	M25 M32 M40	
	Covers, screw locking, for housings With loop 	CGCE 10		

Inserts size 57.27		Poles	Pages	Inserts size 57.27		Poles	Pages	180 °C Inserts size 57.27		Poles	Pages
CNE	16 A	10 + ⊕	B.39	CT / CTSE*	16 A	10 + ⊕	B.127,131	CNE RY**	16 A	10 + ⊕	I.6
CCE	16 A	10 + ⊕	B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ⊕	B.144,149	** >125 °C up to 180 °C			
CSH / JSH S	16 A	10 + ⊕	B.53,59	CX	40 A/10 A	8/24 + ⊕	B.170-171				
CSHT	16 A	10 + ⊕	B.66	*can be used only in bulkhead mounting housings							
CQE / CQEY	16 A	18 + ⊕	B.73,83	MIXO Modular Inserts		Pages		Accessories:  CGCP FX Dust protection cover Page G.47  CGCP MB Dust protection cover Page G.47			
CDD	10 A	42 + ⊕	B.95								
CDSH	10 A	18 + ⊕	B.103	MIXO modules		C.12-93					
CSS	16 A	10 + ⊕	B.119	CX 03 T (3-slot sized MIXO frames)		C.95					

E-Xtreme® – IP68 high protection version

size **77.27**

Housings, hoods and covers – Screw locking

3 000 hrs resistance
in salt-spray tests

Aggressive
Environments


EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

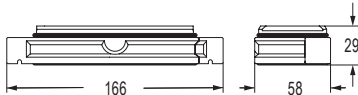
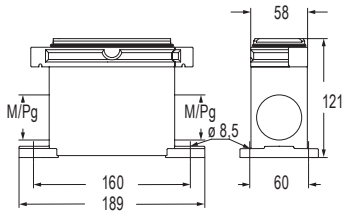
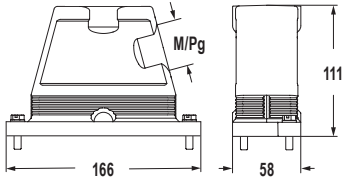
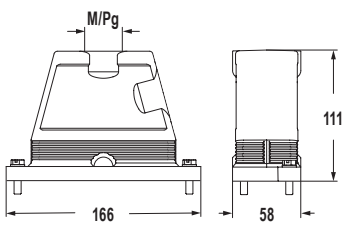
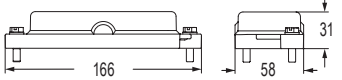
*(>125 °C up to 180 °C with RY inserts)

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG .. FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGIE 16		
	Surface mounting housings, screw locking	MGPE 16.40	M40	
	Hoods, side entry, screw locking	MGOE 16.32 MGOE 16.40 MGOE 16.50	M32 M40 M50	
	Hoods, top entry, screw locking	MGVE 16.25 MGVE 16.225 MGVE 16.32 MGVE 16.40 MGVE 16.50	M25 M25 × 2 M32 M40 M50	
	Covers, screw locking, for housings With loop 	CGCE 16		

Inserts size 77.27	Poles	Pages
CNE 16 A	16 + ⊕	B.40
CCE 16 A	16 + ⊕	B.46
CSH / JSH S 16 A	16 + ⊕	B.54,60
CSHT 16 A	16 + ⊕	B.67
CQE / CQEY 16 A	32 + ⊕	B.74,84
CQEE 16 A	40 + ⊕	B.78
CD 10 A	40 + ⊕	B.90
CDD 10 A	72 + ⊕	B.94
CDSH 10 A	27 + ⊕	B.104
CP / CPY 35 A	6 + ⊕	B.112,114

Inserts size 77.27	Poles	Pages
CSS 16 A	16 + ⊕	B.120
CT / CTSE* 16 A	16 + ⊕	B.128,132
CT / CTS* 10 A	40 + ⊕	B.138,140
CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150
CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160
CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169

*can be used only in bulkhead mounting housings

Accessories: see page E.197

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames)	C.95

180 °C Inserts size 77.27	Poles	Pages
CNE RY** 16 A	16 + ⊕	I.7
CP RY** 35 A	6 + ⊕	I.10
CX RY** 80 A	4 + ⊕	I.11
CX RY** 80 A/16 A	4/2 + ⊕	I.12

** >125 °C up to 180 °C

E-Xtreme® – IP68 high protection version

size **104.27**

Housings, hoods and covers – Screw locking

3 000 hrs resistance
in salt-spray tests

Aggressive Environments


EN 60529	IP66 / IP68 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
with silicone gasket (on request)	-60 °C ... +125 °C*
Mechanical life (cycles)	≥ 500

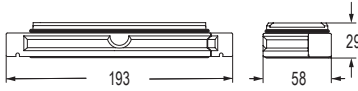
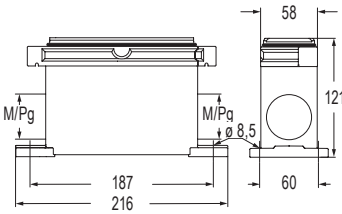
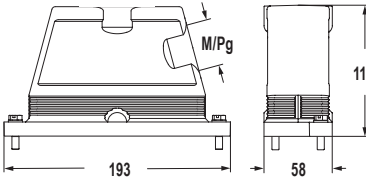
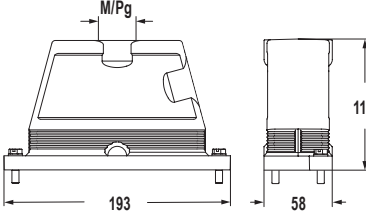
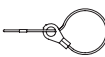
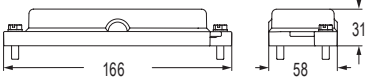
*(>125 °C up to 180 °C with RY inserts)

CE UK



cALUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, screw locking Optional mounting frame CG ... FL is available to ensure water tightness for bulkhead mounting housing when fitted onto a cabinet panel. (See page G.45)	CGIE 24		
	Surface mounting housings, screw locking	MGPE 24.40 MGPE 24.240	M40 M40 × 2	
	Hoods, side entry, screw locking	MGOE 24.32 MGOE 24.40 MGOE 24.50	M32 M40 M50	
	Hoods, top entry, screw locking	MGVE 24.325 MGVE 24.32 MGVE 24.232 MGVE 24.40 MGVE 24.240 MGVE 24.50	M25 × 3 M32 M32 × 2 M40 M40 × 2 M50	
	Covers, screw locking, for housings With loop 	CGCE 24		

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105
CSS	16 A	24 + ☉ B.121

Inserts size 104.27	Poles	Pages
CT / CTSE*	16 A	24 + ☉ B.129,133
CT / CTS*	10 A	64 + ☉ B.139,141
CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162
*can be used only in bulkhead mounting housings		
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 06 T (6-slot sized MIXO frames)		C.95

180 °C Inserts size 104.27	Poles	Pages
CNE RY**	16 A	24 + ☉ I.8
CX RY**	80 A/16 A	4/2 + ☉ I.13

** >125 °C up to 180 °C

Accessories:

CGCP FX
Dust protection cover
Page G.47

CGCP MB
Dust protection cover
Page G.47

Panel cut-out drawings

For E-Xtreme® series bulkhead mounting housings

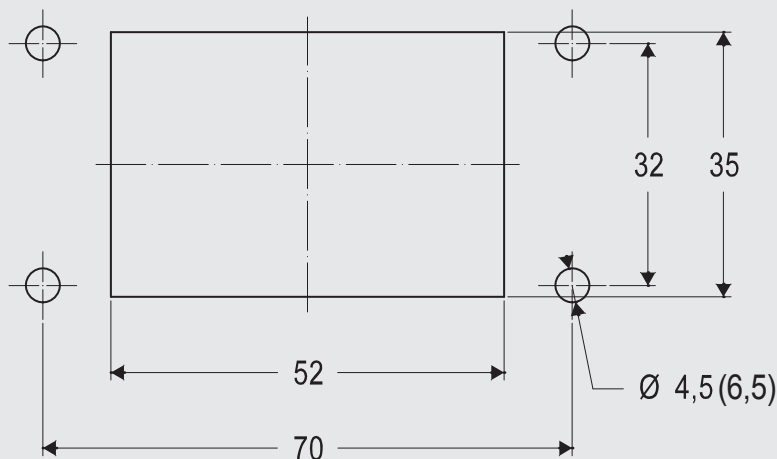
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

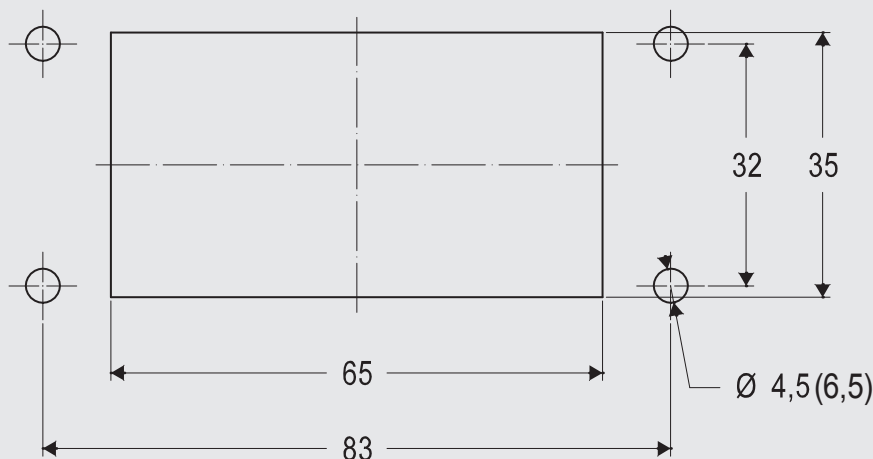
Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4 (M6 for IP68 version)
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4 (M6 for IP68 version)
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department). For the CGI/MGI IP68 enclosures the specific counter-flanges mentioned in the catalogue are always recommended.

Accessories:



CG .. FL
Counterflanges for IP68
bulkhead mounting housings
Page G.45

Panel cut-out drawings

For E-Xtreme® series bulkhead mounting housings

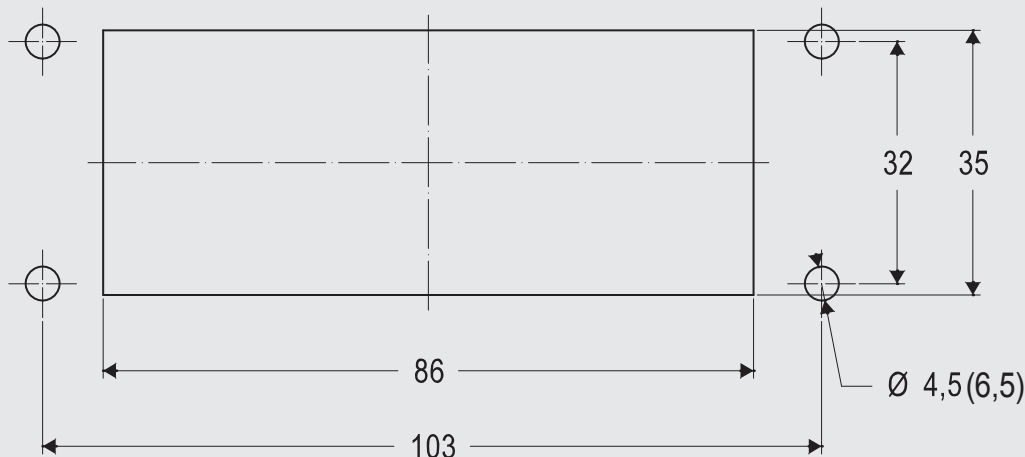
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μ m

Scale 1:1

Size 77.27



Required screws: 4

Screws size: M4 (M6 for IP68 version)

Recommended torque:

0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4

Screws size: M4 (M6 for IP68 version)

Recommended torque:

0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department). For the CGI/MGI IP68 enclosures the specific counter-flanges mentioned in the catalogue are always recommended.

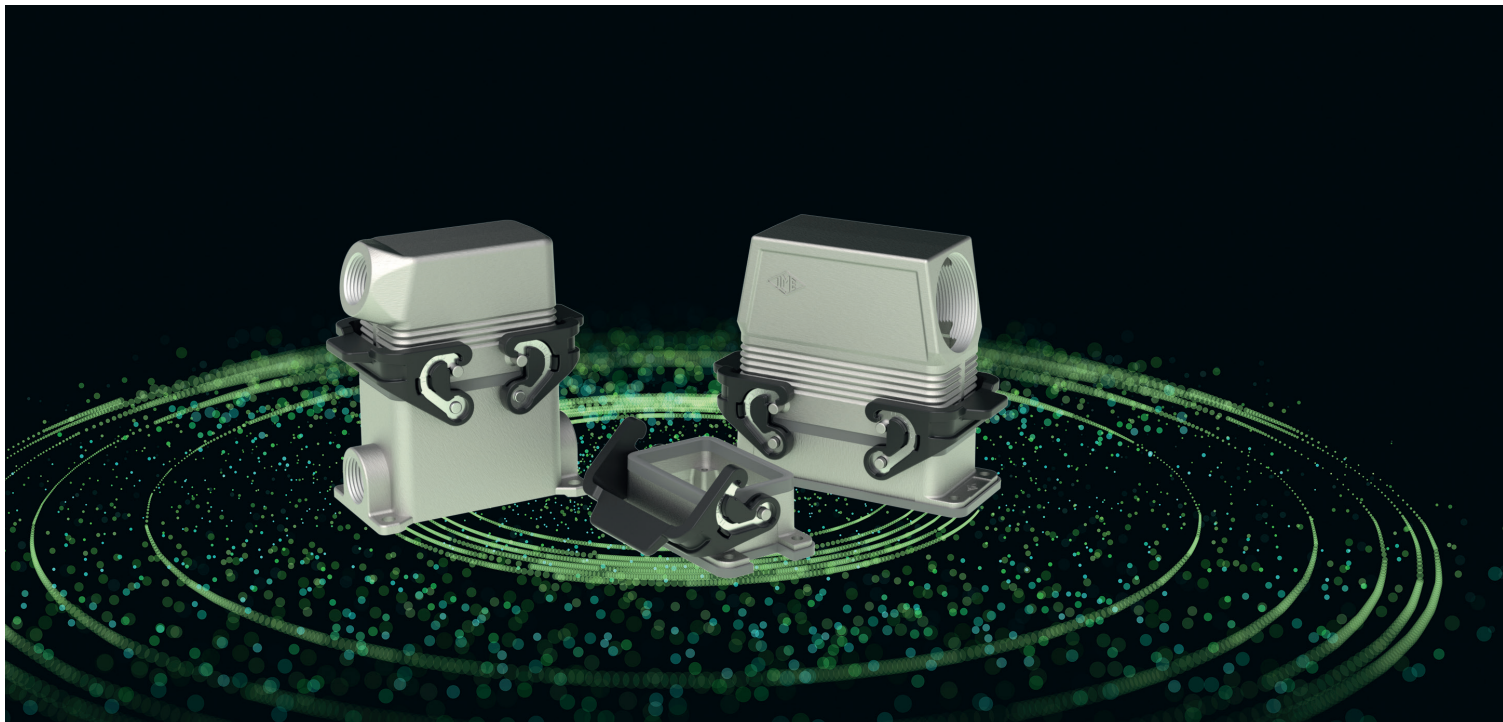
Accessories:



CG .. FL
Counterflanges for IP68
bulkhead mounting housings
Page G.45



EMC enclosures in standard size



EMC connector enclosures and accessories

The EMC series of connector enclosures and accessories has been designed for use in electrical/electronic equipment for machines. Available as bulkhead mounting housings and hood versions in various sizes 44.27, 57.27, 77.27 and

104.27, they not only maintain the robustness and reliability of standard types but also offer increased high-frequency shielding characteristics, setting them apart from other options in the market.

SUM-UP

- Aluminium die-cast housings available in bulkhead-mounted, surface-mounted versions.
- Aluminium die-cast hoods with metric cable entries up to M40.
- IL-BRID locking device in self-extinguishing thermoplastic material and stainless steel core or C-TYPE stainless steel locking levers.
- EMI/RFI Rubber – Conductive material flange and top gasket.

❖ Markings and Approvals

- CE and UKA markings, EAC not applicable
- UL certified for USA and Canada for Type 12, and 4 degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP69 degree of protection
- RoHS: compliant



FOCUS

EMC technology

The significant increase in shielding attenuation of the EMC enclosures is primarily achieved by providing a homogeneous and as uniform as possible electrical continuity of earthing to the cable shield in the connection between cable and hood and between hood and housing.

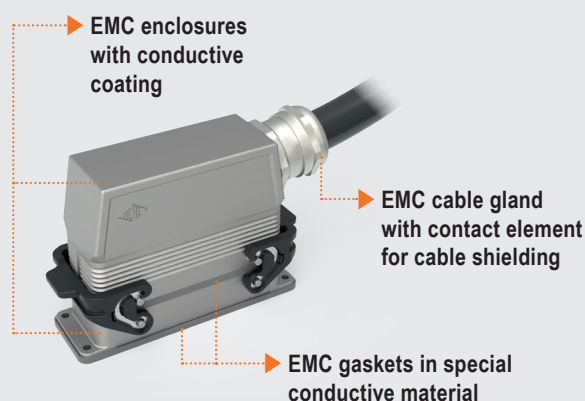
Special conductive gaskets have replaced standard thermoplastic rubber gaskets while the enclosure surfaces are treated to make them highly conductive while maintaining corrosion resistance. For best results, the surface underneath the gasket should be conductive, and EMC cable glands should be used.

The shielding capability of a connector is achieved primarily by providing a homogeneous and uniform electrical continuity between the enclosure components (hood and housing), cable shield and device body.

ILME bulkhead-mounted and surface-mounted housings are supplied with conductive gaskets, guaranteeing optimal shielding and sealing performance.

IMPORTANT NOTE:

For optimal shielding performance of the connectors, it is essential to improve the quality of the cables (which are mainly responsible for radiated interference) and use EMC cable glands, which dramatically increase the efficiency of shielding by creating a very homogeneous and continuous contact between the cable shield and connector enclosure.





EMC

Directives and standards

The concept of **Electromagnetic Compatibility (EMC)** is the reversal in the positive sense of what was until recently known as **Electromagnetic Interference (EMI)**: **we have electromagnetic compatibility** between a device and the environment (including surrounding equipment) when there is no reciprocal electromagnetic interference or when this is within tolerable limits.

In other words, **to obtain electromagnetic compatibility**, measures must be adopted aimed at bringing the electrical or electronic equipment to levels of **emission** and electromagnetic **immunity** against electromagnetic interference such that it continues to function properly without causing disturbance to other equipment present in the surrounding environment.

In the electrical equipment of industrial machines, rectangular multipole connectors with their metallic enclosures are widely used due to their high standards of safety, reliability, mechanical robustness and resistance to corrosion and pollution.

These connectors are passive electromechanical components: they do not generate electromagnetic interference and are not disturbed in their function. Taken by themselves, therefore, they fall outside the scope of Directive 2014/30/EU on electromagnetic compatibility and the CE marking is therefore not required for EMC aspects: it still applies, however, under the Low Voltage Directive 2014/35/EU.

It is rather the devices and industrial equipment mentioned above, in which the connectors are for the most part used (e.g. on-board electric panels) which, taken as a whole, must be CE marked also for EMC aspects, having to meet the essential requirements of the EMC Directive.

For the EMC in **industrial environments** two European standards are in force, not intended for specific equipment, which regulate the **emissions** and **immunity** of devices.

These are therefore generic standards, one for **emissions** **EN 61000-6-4:2007** + A1:2011 (class. CEI 210-66:2007 + 210-66;V1:2011, equivalent to IEC 61000-4:2006 + A1:2010) and one for **immunity** **EN 61000-6-2:2005** (class. CEI 210-54:2006, equivalent to IEC 61000-6-2:2005) ¹⁾.

These apply in the absence of provisions in the particular EMC product standards or in the total absence of the latter.

For industrial equipment, when appliances are not intentionally designed to generate radio frequencies ²⁾, the latter case applies (no particular standards). In the European standards for switchgear and controlgear (EN 60947-1) and in those for the electrical equipment of machines

EN 60204-1 emission and immunity limits have been for some time in the process of being issued, as well as their verification, if necessary, with reference to above mentioned EMC standards for industrial environment.

EMC testing should not be performed on individual components, but rather on the entire apparatus, sometimes not without inconsiderable logistical difficulties, due to their size, reproducing as far as possible their operation in real operating conditions.

It is therefore incorrect to assign limits of electromagnetic emission and immunity imposed on the equipment on, for example, electrical connectors used as components of the equipment.

¹⁾ There are two similar standards for the other standardized environment, defined as **residential, commercial and light industrial environment**, respectively **EN 61000-6-3:2007** + A1:2011 (class. CEI 210-65:2007 + CEI 210-61;V1:2011) for emissions (equivalent to IEC 61000-6-3:2006 + A1:2010) and **EN 61000-6-1:2007** (class. CEI 210-64:2007) for immunity (equivalent to IEC 61000-6-1:2006).

²⁾ In which case for such devices, called **ISM (industrial, scientific, medical)** the **EN 55011:2007** standard for emission of radio interference would apply.

Electromagnetic interference and ILME connectors

Many years ago the entry into force of the first EMC European Directive, with requirement for electrical and electronic equipment to comply with the levels of electromagnetic pollution dictated by the standards, brought renewed interest in all the appropriate steps to mitigate the effects of electromagnetic interference.

Electromagnetic interference can occur in two forms: **conducted or radiated**. With reference to connectors, **conducted interference** transmitted on conductors wired to the connectors, is, for example: harmonics, superimposed on the voltage of the power supply at 50 Hz, caused by withdrawal of biased current or by electromechanical or electronic switches, or radio frequency interference noise which is inductively or capacitively coupled with the cable, overlapping transported signals.

This is characterized by frequency and amplitude (intensity) and can be filtered to some extent, in both in the outgoing (emission) and incoming (immunity) directions, only via in-line passive electrical filters, which the designer of the electrical equipment must foresee since he is the only one with a knowledge of all the terms of the problem ³⁾.

Radiated interference, transmitted in the form of electromagnetic waves, is characterized by the values of amplitude of associated electric (V/m) and magnetic fields and with the frequency or frequency band (rarely is this located on a single frequency, more often it occupies a band). This may come from inside the device: in this case it is necessary to mitigate emissions. Or from the outside, in which case it is necessary to raise immunity.

By test convention, **interference with frequency up to 30 MHz** is considered to be conducted and **irradiated with frequency above 30 MHz up to 1 GHz**.

The sources of electromagnetic interference are classified as **intentional** and **unintentional**.

The first (e.g. radio-telecommunication antennas, mobile phones) use high frequency electromagnetic fields for functional reasons. For the second (e.g. ignition of internal combustion engines, electric arc furnaces) they are a by-product.

In most industrial applications, compared to the overall EMC issues of a device, connectors (inserts + enclosures), taken by themselves, are not the priority concern of the designer.

The enclosures of the low-frequency industrial connectors, taking shape as a barrier to a "shell", are implicitly a "peripheral" aspect: the designer of electrical equipment / electronics will take care first of all the "core" of the EMC problem, that of the active components inside of their systems, by limiting the emissions and enhance immunity.

In fact, to have significant problems due to radiation through the opening constituted by a connector enclosure on a control panel, there must be a particularly "efficient" radiofrequency source inside the panel.

Essentially, significant design errors must have been committed regarding the EMC of the entire equipment.

In certain cases the coupling of connectors may constitute the weak link in the chain, for example where it is not possible for functional reasons to further reduce interference of the electronics inside the control panel. In these cases one must rely on the efficiency of the shield. Even if the equipment manufacturer uses shielded fabrication and high quality shielded cables, continuity and homogeneity of such shielding could be significantly degraded precisely in the passage between free connector and panel.

In dealing with electromagnetic compatibility of electrical equipment of an industrial machine, a second aspect to be addressed as a priority is the presence of large quantities of interface cabling.

In these cases, the significant attenuation of the shield necessary for the cables must not be jeopardised by the connector enclosures due to imperfect earthing of the cable shield.

It should nevertheless be pointed out that increasing shielding may not be sufficient to solve possible problems and should be considered as a complementary choice.

³⁾ For example, for trapezoidal D-Sub type connectors for digital data transmission, there are connectors on the market which incorporate "general purpose" filters for any conducted interference.

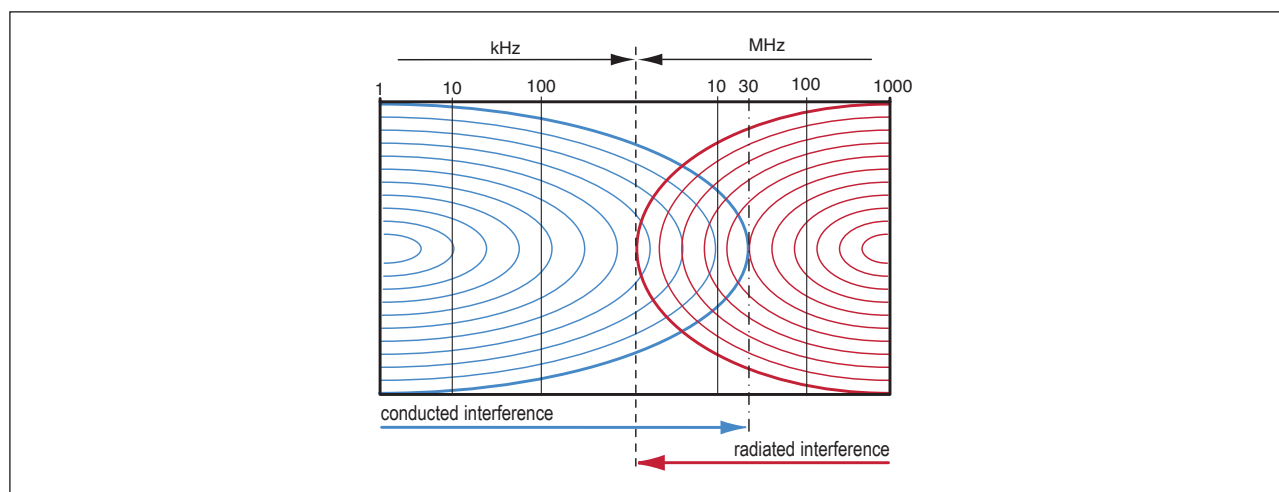


Figure 1



Electromagnetic shielding

of connectors: fundamental principles

To consider the electromagnetic compatibility aspects of an electrical/electronic device in the final verification rather than in the design phase almost always leads to a substantial increase in overall development time and costs.

The designer who deals with electromagnetic compatibility issues should use the same rules and the same precautions regardless of whether the equipment is subsequently shielded.

Numerous products meet electromagnetic compatibility standards without the use of shielding. However, when all other limiting interventions are impossible or uneconomical, recourse to increased efficiency of the electromagnetic shield is the only answer.

An **electromagnetic shield** is a barrier to the transmission of electromagnetic fields.

To generalise the concept to include conducted emissions, a filter can be considered as a shield. We will restrict ourselves here to considering a shield as a barrier to radiated emissions.

The metallic containers which completely enclose an electrical/electronic device or a part thereof **constitute an electromagnetic shield**, with the task of preventing the emissions of electrical/electronic devices or a part thereof to radiate outside the equipment container itself.

A cable connected to a device is part of the same for the purposes of electromagnetic compatibility.

A flexible multicore cable is shielded by surrounding the insulated conductors with a conductive metal mesh.

An electromagnetic shield is characterized by a parameter which measures its efficiency.

The shielding attenuation is the ratio between the radiated power generated inside a device and the residual radiated power outside the unit. The attenuation introduced by a shield can be measured by comparing the absence and presence of the shield.

Shielding attenuation is measured in dB (decibel). 20 dB is equivalent to an order of magnitude, i.e. attenuation of a factor of 10, 40 dB = attenuation of a factor of 100, etc.

To obtain large shielding attenuation values (e.g. 100 dB) the shield must completely enclose the electronic device and not have any means of access from the outside, such as openings, joints, cracks or cables. Any means of access through a shield, if not properly treated, can drastically reduce the efficiency of the shield.

The passage of a cable through a shield must be properly considered. One common method is to place filters on the cable at which it crosses the shield. Another is to use shielded cables, with their shields connected for the entire perimeter to the equipment shield.

To reduce radiated emissions of a cable, the cable shield must be connected to a point with zero potential (an ideal ground therefore, not the "signal" ground of an electronic circuit). To achieve electromagnetic shielding conductive materials (metals) are used.

Shielding attenuation depends mainly on the electrical conductivity of the material and the thickness of the shield.

Rectangular or square connectors – special case – intrinsically anisotropic, are more difficult to shield and less predictable in behaviour than circular connectors (isotropic geometry) used, not by accident, with coaxial terminations for RF applications.

Connector enclosures are typically made of aluminium die cast alloy, an excellent metal for shielding electric fields because it is an excellent conductor. It is also better than steel in shielding phenomena of an impulsive nature (typical example is electrostatic discharge) which cause interference in the high frequency spectrum and is among the most insidious and dangerous.

It is important to ensure electrical continuity along the boundary of the enclosure, not only to ensure high shielding attenuation but also to avoid accumulation of static electricity.

It is important not to "economically" tip the balance of a screening system which is only as effective as its weakest component.

A good shielded cable has a shield attenuation greater than that attributable to the connector, but only for very small lengths of cable (e.g. one metre). When the length of the shielded cable increases, shield attenuation is significantly reduced.

This indicates that it is much more important to improve the shield quality of cables, which are mainly responsible for radiated interference emissions and in an electrical system are often present in considerable quantity, before that of the connector.

What dramatically increases the efficiency of shielding is the quality of its connection to the conductor: EMC cable glands create a very homogeneous and continuous contact between the cable shield and connector enclosure.

Experimental tests

Tests for measurement of the shielding of ILME special EMC enclosures for multipole rectangular connectors for industrial use were conducted at the CESI EMC Laboratory in Milan, national notified body for certification under the EMC Directive.

Shielding attenuation of a component is defined as the ratio of the power radiated within the component and the maximum interference power outside the component in the room (**VG 95214-11**).

For a connector it can be expressed, in analogy with cables, as a function of transfer impedance, which is the ratio between the voltage induced in the shield and the current flowing outside the same. The transfer impedance measurement is a widely used and accepted method to determine shielding attenuation of coaxial cables and connectors.

Only recently, due to the increase in digital data transmission speeds and the increase in frequencies of transmitted signals, the issue of identifying efficient and repeatable methods for measuring shielding efficiency, also for connectors traditionally considered low frequency, has been addressed at a regulatory level.

An experimental method for determining surface transfer impedance of coupled low frequency connectors is still being studied by IEC.

The method chosen by ILME for verification of its system of EMC enclosures and accessories is the **line injection method** based on German military standards **VG 95214-10** and **VG 95214-11**.

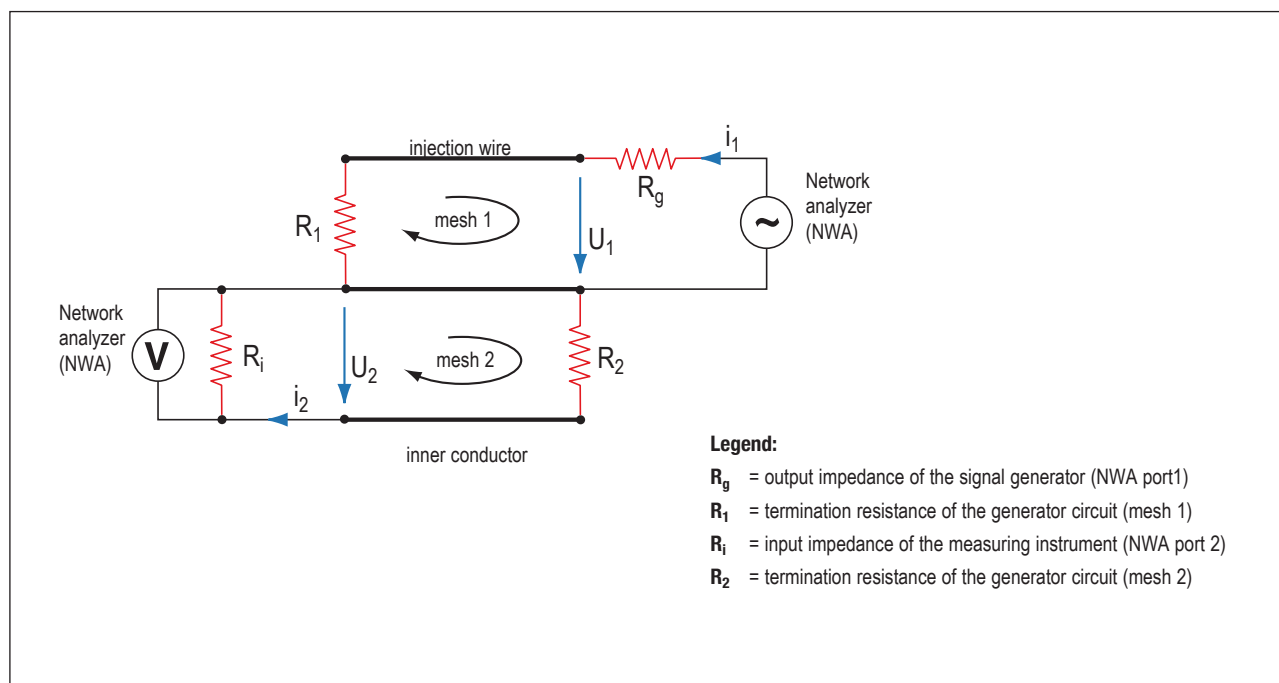


Figure 2



Electromagnetic shielding of connectors: fundamental principles

A signal with a frequency of 0,1 MHz to 1000 MHz generated by port 1 of the measuring device (a network analyzer with $75\ \Omega$ output impedance) circulates in the mesh 1 consisting of an insulated conductor (injection wire) resting on the surface of two coupled enclosures (shield), terminating on a calibrated (and shielded) resistance of $75\ \Omega$.

As a result of the current i_1 injected in the mesh 1, an induced voltage U_2 is generated in the mesh 2, consisting of an inner pick-up conductor connected to two contacts at the center of the connector inserts, terminated on another calibrated resistance of $75\ \Omega$ (shielded),

in turn earthed on the coupled enclosures which act as a shield.

The voltage is measured on port 2 of the measuring device for S parameters (scattering parameters). The network analyzer sees the device under test as a filter and calculates the measurement providing a graph illustrating the **shielding attenuation** (measured in dB) as a function of frequency in MHz.

The tests were performed on:

- coupled standard enclosures (Figure 3)
- coupled EMC enclosures (Figure 4)

Figure 3 - Standard enclosure diagram

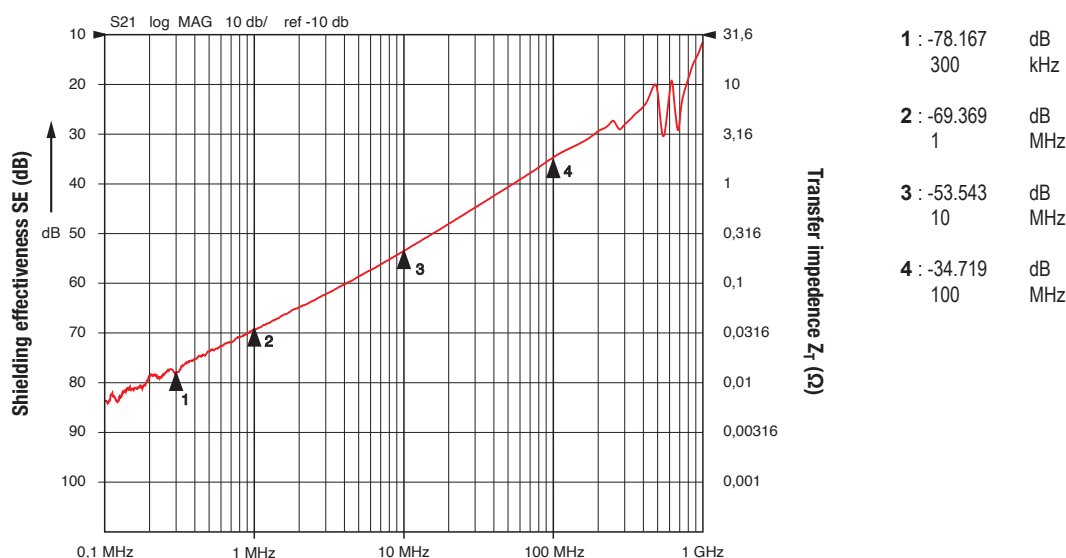
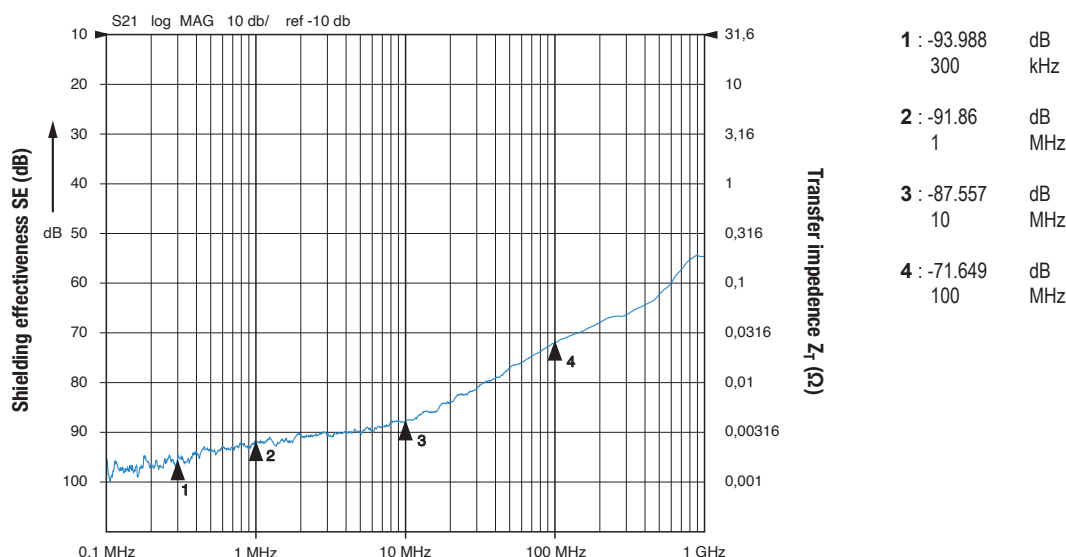


Figure 4 - EMC enclosure diagram

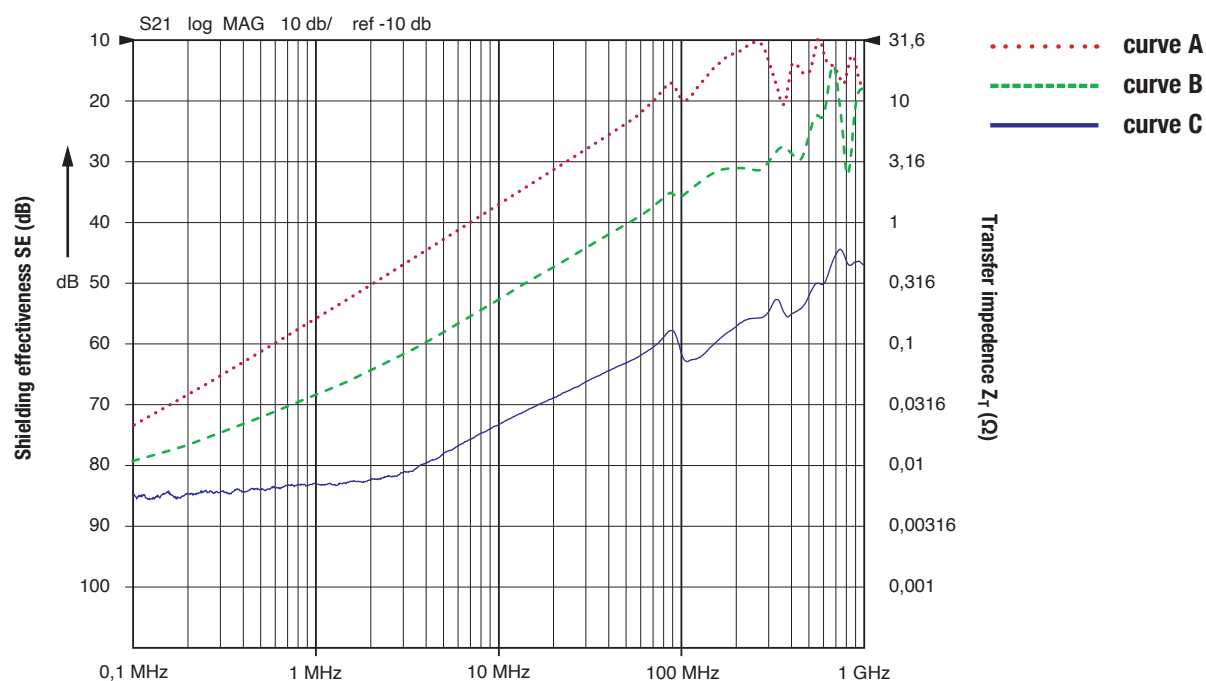


To highlight the influence of the cable gland the shielding attenuation measurements were repeated on:

- coupled standard enclosures with standard cable gland and cable shield earthed to the earth terminal of the connector. **See curve A**
- coupled standard enclosures with EMC cable gland and cable shield earthed to the cable gland. **See curve B**
- coupled EMC enclosures with EMC cable gland and cable shield earthed to the cable gland. **See curve C**

The results are summarized in the diagrams of Figure 5.

Figure 5 - Overview diagrams



NOTE

For the relationship between Shielding effectiveness SE and Transfer impedance (Ω) see also IEC 60512-23-3: $SE = 40 - 20_{\log} 10Z_T$ (dB).

Conclusions

The measurements suggest the following considerations:

- standard enclosures already provide good levels of shielding attenuation;
- when used with EMC cable glands, standard enclosures clearly increase their shielding attenuation;
- EMC enclosures, with better shielding attenuation values, provide further improvements..



EMC series – IL-BRID lever version

Housings and covers – 1 lever – with gasket

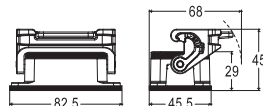
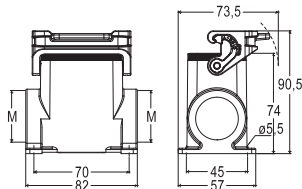
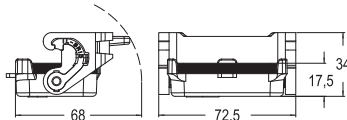
size **44.27**Specialized
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket	CLIS 06 L		
	Surface mounting housings, 1 lever and gasket, high construction	MLAPS 06 L25 MLAPS 06 L32	M25 M32	
	Covers, 1 lever and gasket For enclosures with 2 pegs without gasket with loop for hoods 	CLCS 06 LG		

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ☉	B.38	
CCE	16 A	6 + ☉	B.44	
CSH / JSH S	16 A	6 + ☉	B.52,58	
CQE / CQEY	16 A	10 + ☉	B.72,82	
CDD	10 A	24 + ☉	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ☉	B.102,108	
CSS	16 A	6 + ☉	B.118	
CT / CTSE*	16 A	6 + ☉	B.126,130	

*can be used only in bulkhead mounting housings

Accessories:

CHCP 06
Dust protection
cover
Page G.46

EMC series

Hoods and covers – 2 pegs – without gasket

size **44.27**Specialized
Applications

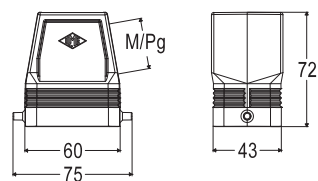
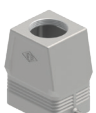
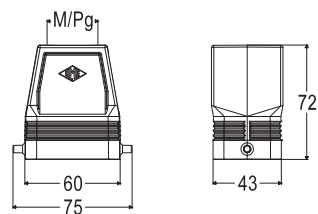
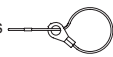
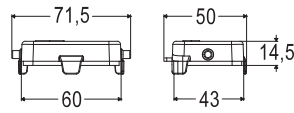
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, without gasket, side entry, high construction To be used only with a complete cable gland	MFOS 06 L32 CFOS 06 L21		M32 Pg 21	
	Hoods, 2 pegs, without gasket, top entry, high construction To be used only with a complete cable gland		MFVS 06 L32 CFVS 06 L21	M32 Pg 21	
	Covers, 2 pegs, without gasket For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 	With loop CHCS 06 SL	With eyelet CHCS 06 L		

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:



CHCP 06
Dust protection
cover
Page G.46

EMC series – IL-BRID lever version

Housings and covers – 2 levers – with gasket

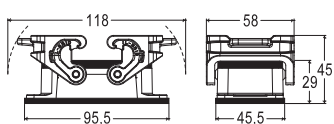
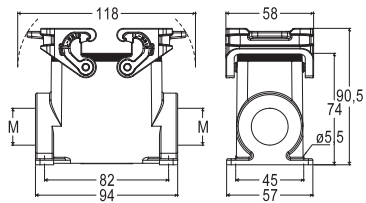
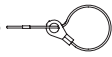
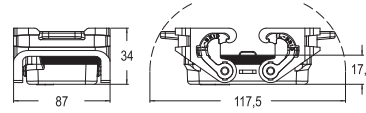
size **57.27**Specialized
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CLIS 10		
	Surface mounting housings, 2 levers and gasket, high construction	MLAPS 10.25 MLAPS 10.32	M25 M32	
	Covers, 2 levers and gasket	CLCS 10 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
MIXO Modular Inserts			Pages		
MIXO modules			C.12-93		
CX 03 T (3-slot sized MIXO frames)			C.95		

Accessories:



CHCP 10
Dust protection
cover
Page G.46

EMC series

Hoods and covers – 4 pegs – without gasket

size **57.27**Specialized
Applications

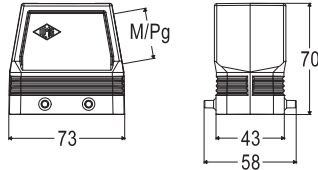
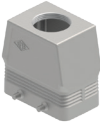
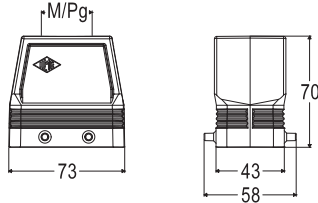
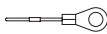
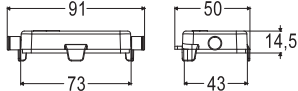
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry, high construction To be used only with a complete cable gland	MFOS 10.32 CFOS 10.21		M32 Pg 21	
	Hoods, 4 pegs, without gasket, top entry, high construction To be used only with a complete cable gland		MFVS 10.32 CFVS 10.21	M32 Pg 21	
	Covers, 2 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCS 10 S	With eyelet CHCS 10		

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39
CCE	16 A	10 + ☉ B.45
CSH / JSH S	16 A	10 + ☉ B.53,59
CSHT	16 A	10 + ☉ B.66
CQE / CQEY	16 A	18 + ☉ B.73,83
CDD	10 A	42 + ☉ B.95
CDSH	10 A	18 + ☉ B.103
CSS	16 A	10 + ☉ B.119

Inserts size 57.27	Poles	Pages
CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CX	40 A/10 A	8/24 + ☉ B.170-171
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:



CHCP 10
Dust protection
cover
Page G.46

EMC series – IL-BRID lever version

Housings and covers – 2 levers – with gasket

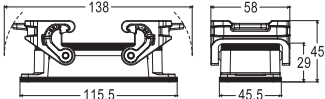
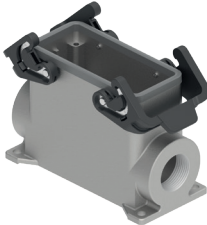
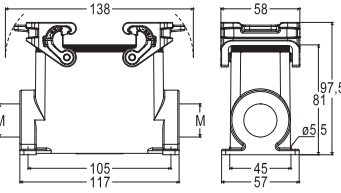
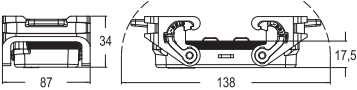
size **77.27**Specialized
Applications

CE UK

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CLIS 16		
	Surface mounting housings, 2 levers and gasket, high construction	MLAPS 16.32 MLAPS 16.40	M32 M40	
	Covers, 2 levers and gasket	CLCS 16 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CT / CTSE*	16 A	16 + ☉ B.128,132		
CSHT	16 A	16 + ☉ B.67	CT / CTS*	10 A	40 + ☉ B.138,140		
CQE / CQEY	16 A	32 + ☉ B.74,84	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CQEE	16 A	40 + ☉ B.78	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		

*can be used only in bulkhead mounting housings

Accessories:



CHCP 16
Dust protection
cover
Page G.46

EMC series

Hoods and covers – 4 pegs – without gasket

size **77.27**Specialized
Applications

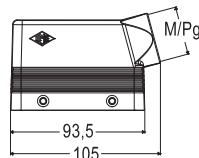
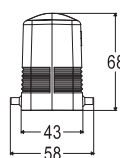
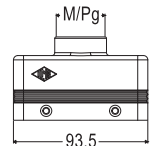
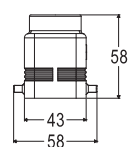
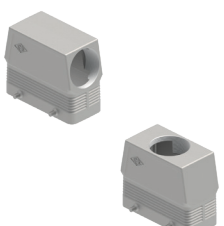
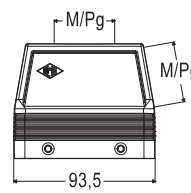
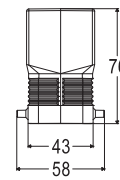
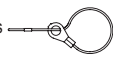
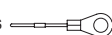
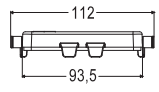
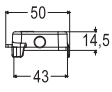
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHOS 16.25 MHOS 16.32 CHOS 16		M25 M32 Pg 21	 
	Hoods, 4 pegs, without gasket, top entry To be used only with a complete cable gland		MHVS 16.25 MHVS 16.32 CHVS 16	M25 M32 Pg 21	 
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOS 16.32 MFOS 16.40 CFOS 16.29	MFVS 16.32 MFVS 16.40 CFVS 16.29	M32 M40 Pg 29	 
	Covers, 2 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCS 16 S	With eyelet CHCS 16		 

Inserts size 77.27	Poles	Pages
CNE 16 A	16 + ⊕	B.40
CCE 16 A	16 + ⊕	B.46
CSH / JSH S 16 A	16 + ⊕	B.54,60
CSHT 16 A	16 + ⊕	B.67
CQE / CQEY 16 A	32 + ⊕	B.74,84
CQEE 16 A	40 + ⊕	B.78
CD 10 A	40 + ⊕	B.90
CDD 10 A	72 + ⊕	B.94
CDSH 10 A	27 + ⊕	B.104

Inserts size 77.27	Poles	Pages
CP / CPY 35 A	6 + ⊕	B.112,114
CSS 16 A	16 + ⊕	B.120
CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150
CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160
CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 04 T (4-slot sized MIXO frames)	C.95

Accessories:



CHCP 16
Dust protection
cover
Page G.46

EMC series – IL-BRID lever version

Housings and covers – 2 levers – with gasket

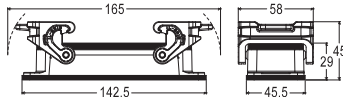
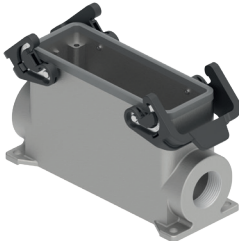
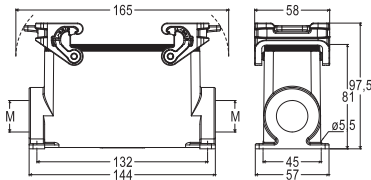
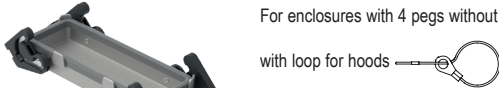
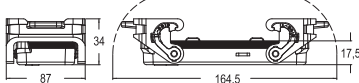
size **104.27**Specialized
Applications

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CLIS 24		
	Surface mounting housings, 2 levers and gasket, high construction	MLAPS 24.32 MLAPS 24.40	M32 M40	
	Covers, 2 levers and gasket	CLCS 24 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEQ	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:



CHCP 24
Dust protection
cover
Page G.46

EMC series

Hoods and covers – 4 pegs – without gasket

size **104.27**Specialized
Applications

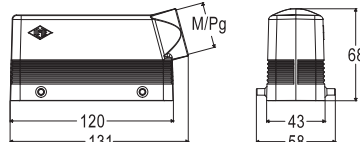
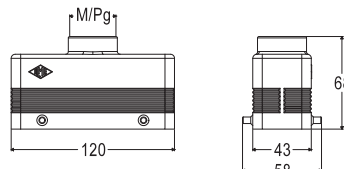
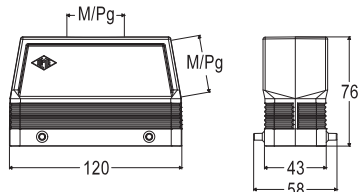
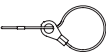
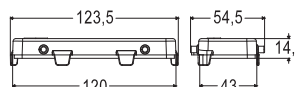
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 4 pegs, without gasket, side entry	MHOS 24.25 MHOS 24.32 CHOS 24		M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, top entry To be used only with a complete cable gland		MHVS 24.25 MHVS 24.32 CHVS 24	M25 M32 Pg 21	
	Hoods, 4 pegs, without gasket, side or top entry, high construction To be used only with a complete cable gland	MFOS 24.32 MFOS 24.40 CFOS 24.29	MFVS 24.32 MFVS 24.40 CFVS 24.29	M32 M40 Pg 29	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 	With loop CHCS 24 S	With eyelet CHCS 24		

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☺ B.41
CCE	16 A	24 + ☺ B.47
CSH / JSH S	16 A	24 + ☺ B.55,61
CSHT	16 A	24 + ☺ B.68
CQE / CQEY	16 A	46 + ☺ B.75,85
CQEE	16 A	64 + ☺ B.79
CD	10 A	64 + ☺ B.91
CDD	10 A	108 + ☺ B.97
CDSH	10 A	42 + ☺ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☺ B.121
CMCE / CMSH	16 A	10 + 2 (aux.) + ☺ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☺ B.156-157
CX / CXC	80 A/16 A	4/8 + ☺ B.161-162

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Accessories:



CHCP 24
Dust protection
cover
Page G.46



EMC series – C-TYPE lever version

Housings and covers – 1 lever – with gasket

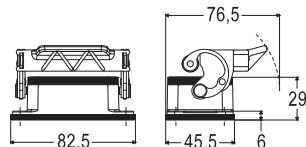
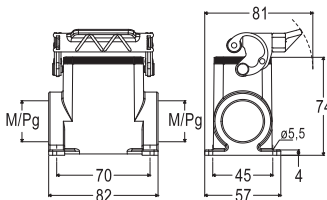
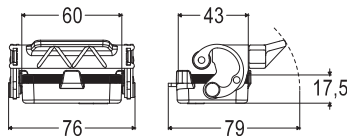
size **44.27**Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket	CHIS 06 L		
	Surface mounting housings, 1 lever and gasket, high construction	MAPS 06 L32 CAPS 06 L	M32 Pg 21	
	Covers, 1 lever and gasket For enclosures with 2 pegs without gasket with loop for hoods 	CHCS 06 LG		

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ⊕	B.38	C.12-93
CCE	16 A	6 + ⊕	B.44	
CSH / JSH S	16 A	6 + ⊕	B.52,58	
CQE / CQEY	16 A	10 + ⊕	B.72,82	
CDD	10 A	24 + ⊕	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108	
CSS	16 A	6 + ⊕	B.118	
CT / CTSE*	16 A	6 + ⊕	B.126,130	

*can be used only in bulkhead mounting housings

Complete with:

**Hoods**
Page E.209

Accessories:

**CHCP 06**
Dust protection
cover
Page G.46

EMC series – C-TYPE lever version

size **57.27**

Housings and covers – 2 levers – with gasket

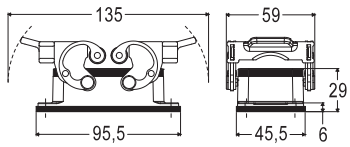
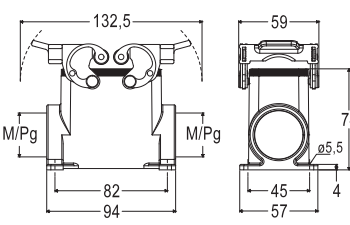
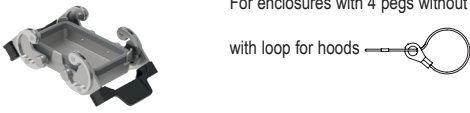
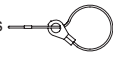
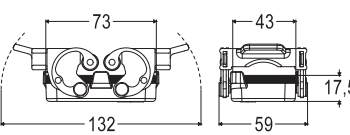
Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIS 10		
	Surface mounting housings, 2 levers and gasket, high construction	MAPS 10.32 CAPS 10.21	M32 Pg 21	
	Covers, 2 levers and gasket	CHCS 10 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

EMC

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts	Pages	
			MIXO modules	C.12-93	
			CX 03 T (3-slot sized MIXO frames)	C.95	

Complete with:

Hoods
Page E.211

Accessories:

CHCP 10
Dust protection
cover
Page G.46

EMC series – C-TYPE lever version

Housings and covers – 2 levers – with gasket

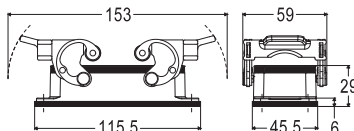
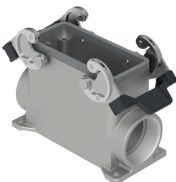
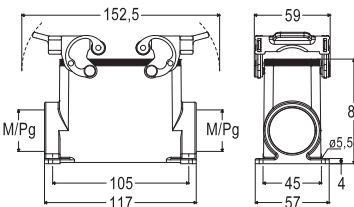
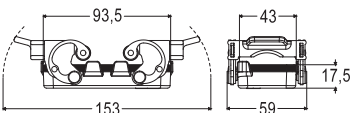
size **77.27**Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK

C&A[®] US

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIS 16		
	Surface mounting housings, 2 levers and gasket, high construction	MAPS 16.32 CAPS 16.21	M32 Pg 21	
	Covers, 2 levers and gasket	CHCS 16 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CT / CTSE*	16 A	16 + ☉ B.128,132		
CSHT	16 A	16 + ☉ B.67	CT / CTS*	10 A	40 + ☉ B.138,140		
CQE / CQEY	16 A	32 + ☉ B.74,84	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CQEE	16 A	40 + ☉ B.78	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		

*can be used only in bulkhead mounting housings

Complete with:

Hoods
Page E.213

Accessories:

CHCP 16
Dust protection
cover
Page G.46

EMC series – C-TYPE lever version

Housings and covers – 2 levers – with gasket

size **104.27**Specialized
Applications

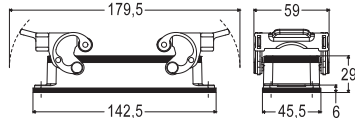
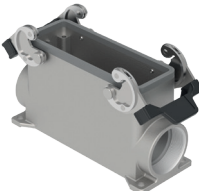
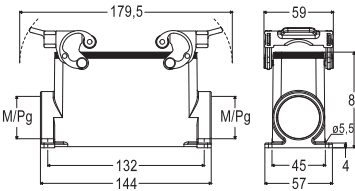
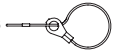
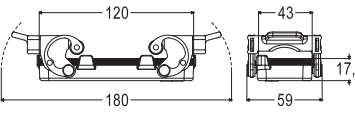
CE UK



EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIS 24		
	Surface mounting housings, 2 levers and gasket, high construction	MAPS 24.32 CAPS 24.21	M32 Pg 21	
	Covers, 2 levers and gasket	CHCS 24 G		
	For enclosures with 4 pegs without gasket with loop for hoods 			

EMC

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEY	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Complete with:

Hoods
Page E.215

Accessories:

CHCP 24
Dust protection
cover
Page G.46

Panel cut-out drawings

For EMC series bulkhead mounting housings

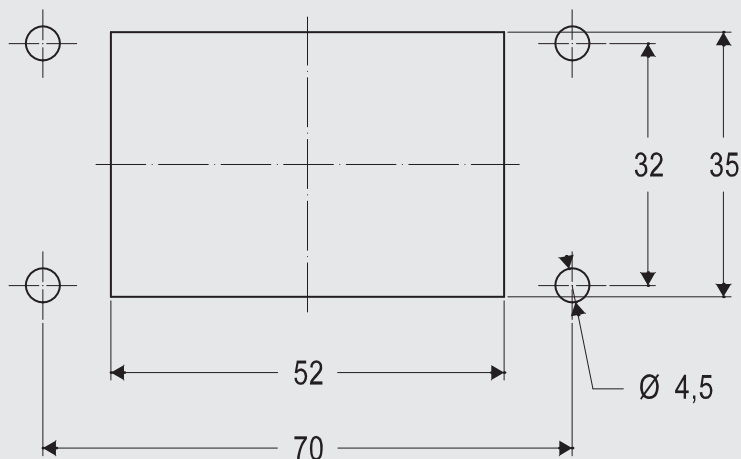
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16 \text{ }\mu\text{m}$

Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For EMC series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $Wt \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $Ra \leq 16$ μ m

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

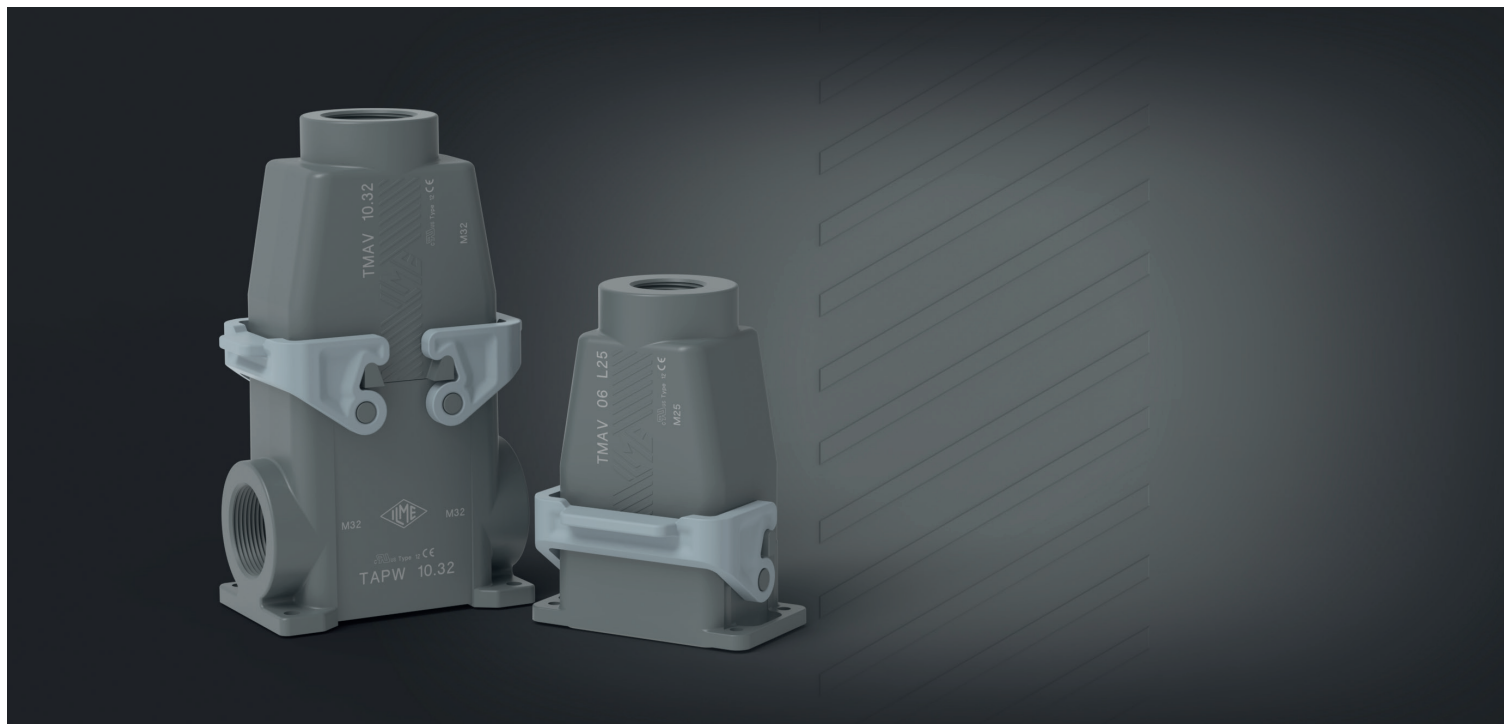
Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



T-TYPE enclosures for Heavy-Duty Applications

T-TYPE/W enclosures for Aggressive Environments



T-TYPE and T-TYPE/W series

Alongside the wide range of traditional metallic enclosures for multipole connectors, ILME first “pioneered” a series of enclosures in self-extinguishing thermoplastic material in the standard sizes 44.27, 57.27, 77.27, and 104.27.

The series design results in significant structural solidity and mechanical robustness, offering a technical, cost-effective solution for protecting connector inserts.

❖ Markings and Approvals

- **CE** and **UK** markings, EAC not applicable
- UL certified for USA and Canada for degrees of protection (enclosure type ratings, equivalent to NEMA rating):

T-TYPE Standard: Type 12.
T-TYPE/W: Type 12 – Type 4 / 4X Indoor Use Only.
- IP65 / IP66 / IP69 degree of protection
- RoHS: compliant



SUM-UP

T-TYPE series HEAVY-DUTY APPLICATIONS

- > Enclosures in thermoplastic material, dark grey RAL 7012 colour, with high thicknesses providing structural solidity and durability
- > Built-in polyurethane gaskets
- > Locking levers in thermoplastic material colour grey RAL 7001
- > M25, M32 and M40 threaded cable entries
- > IP65 degree of protection according to EN 60529
- > UL TYPE 12 degree of protection according to ANSI/UL50
- > Each enclosure carries its own part number, thread/size, conformity markings and UL type rating
- > Ambient temperature range: -40 °C / +90 °C

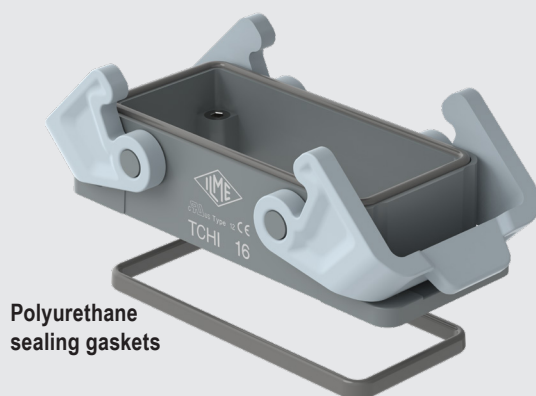
T-TYPE/W series AGGRESSIVE ENVIRONMENTS

- > Enclosures in thermoplastic material, dark grey RAL 7012 colour, with high thicknesses providing structural solidity and durability
- > Built-in FKM fluoroelastomer sealing gaskets
- > Locking levers in thermoplastic material colour grey RAL 7001
- > M25, M32 and M40 threaded cable entries
- > IP65 / IP66 / IP69 degree of protection according to EN 60529
- > UL TYPE 12 – TYPE 4 / 4X Indoor Use Only degree of protection according to ANSI/UL50
- > Each enclosure carries its own part number, thread size and conformity markings and UL type rating
- > Ambient temperature range: -40 °C / +90 °C

FOCUS

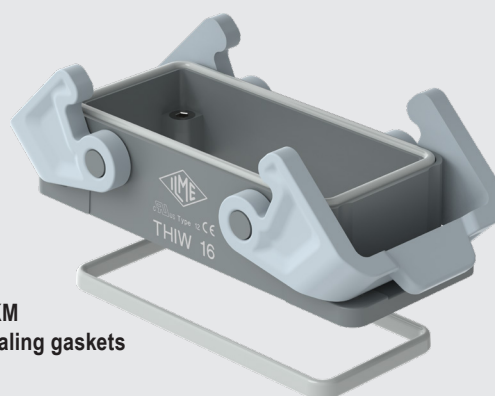
T-TYPE/W sealing gaskets

The characterizing element of the T-TYPE and T-TYPE/W series is the **different sealing gasket material**, while hoods and covers without sealing gaskets are the same.



Polyurethane
sealing gaskets

T-TYPE series



FKM
sealing gaskets

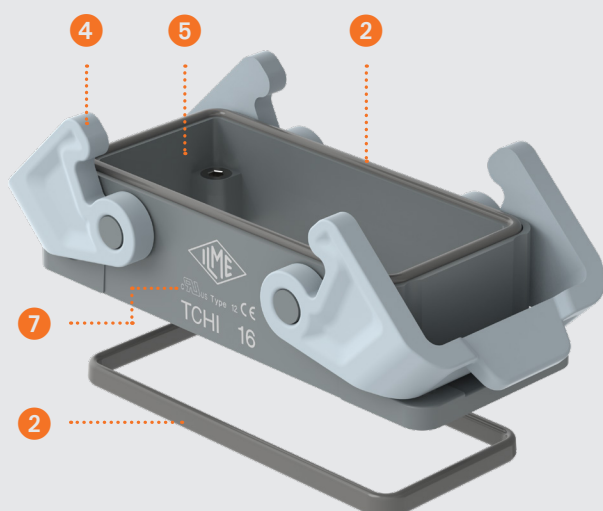
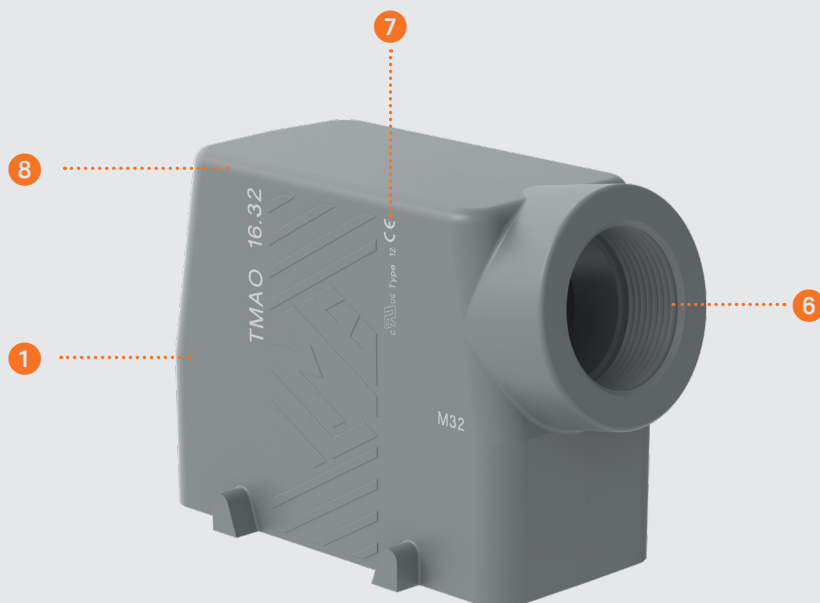
T-TYPE/W series



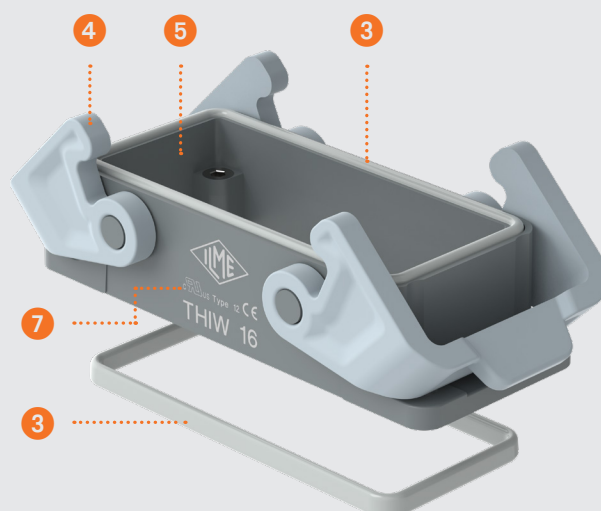
T-TYPE enclosures for Standard Heavy Duty Applications

T-TYPE/W enclosures for Aggressive Environments

TECHNICAL FEATURES



T-TYPE series
HEAVY-DUTY APPLICATIONS



T-TYPE/W series
AGGRESSIVE ENVIRONMENTS

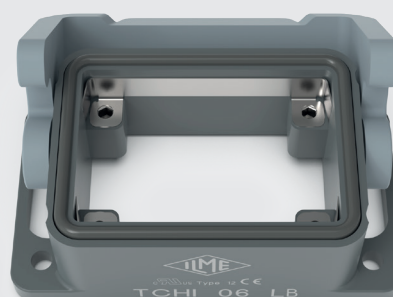
- 1 **Construction:** Structurally solid and mechanically robust, built using BC-MUL® moulding technique together with the use of MIL.BOX® UL 94V-2 material. T-TYPE series is particularly resistant to the main pollutants present in industrial environments.
 - 2 **T-TYPE Standard gaskets:** T-TYPE sealing gaskets are produced in **Polyurethane**, using the FIPFG technology (Formed-In-Place-Foam Gasket). They are designed to be incorporated on the bottom of bulkhead mounting housings, avoiding loose parts for easier connector installation.
 - 3 **T-TYPE/W gaskets:** Sealing gaskets for T-TYPE/W are produced in oil-resistant **FKM (Fluoroelastomer)**.
 - 4 **Levers:** The locking levers have been produced in self-extinguishing thermoplastic material, grey RAL 7001 colour. Improved ergonomics and handling.
 - 5 **Dimensions:** The internal dimensions allow mounting of all connector inserts in their relevant sizes. The external dimensions of the bulkhead mounting housings are similar to those of the corresponding metallic enclosures (standard panel cut-outs and fixing holes).
- Hoods offer an inner cabling space similar to the “high” construction models of the corresponding metal enclosures. Other characteristics comply with the applicable safety standard for electrical connectors, IEC/EN 61984.
- 6 **Cable entries:** The housing and hood cable entries are available with metric thread, respectively:
 - **M25 or M32** for smaller sizes 44.27 and 57.27
 - **M32 or M40** for larger sizes 77.27 and 104.27
 - 7 **Markings:** Each enclosure carries its own part number and conformity markings.
 - 8 **Hoods:** As the characterizing element of the T-TYPE/W series is the different sealing gasket material, hoods and covers without sealing gaskets for this series are the same of T-TYPE Standard.

ACCESSORIES

PE Jumpers

For T-TYPE standard and T-TYPE /W, enclosure versions with pre-installed PE jumpers (also known as “bridges,” hence the suffix B to identify such variants) are available upon request.

Example: TCHI 06 LB is the enclosure version with pre-installed PE jumpers of the standard TCHI 06 L.





T-TYPE series – Insulating

size **44.27**

T-TYPE Housings and hoods for Heavy-Duty Applications

T-TYPE/W Housings and hoods for Aggressive Environments

Aggressive
EnvironmentsHeavy-Duty
Applications

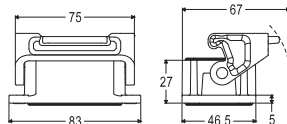
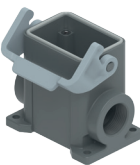
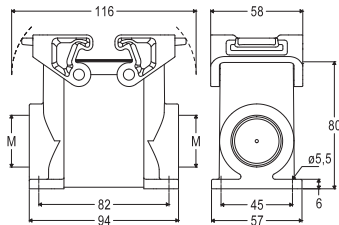
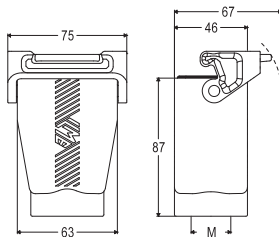
EN 60529	T-TYPE: IP65
	T-TYPE/W: IP65 / IP66 / IP69
UL 50 / UL 50E	T-TYPE: Type 12
	T-TYPE/W: Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE	T-TYPE/W	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W	TCHI 06 L	THIW 06 L		
	Surface mounting housings, 1 lever and gasket, high construction - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).	TMAP 06 L25 TMAP 06 L32	TAPW 06 L25 TAPW 06 L32	M25 M32	
	Hoods, 1 lever and gasket, top entry, high construction - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W	TMAV 06 LG25 TMAV 06 LG32	TAVW 06 LG25 TAVW 06 LG32	M25 M32	

Inserts size 44.27	Poles	Pages
CNE	16 A	6 + ☉ B.38
CCE	16 A	6 + ☉ B.44
CSH / JSH S	16 A	6 + ☉ B.52,58
CQE / CQEY	16 A	10 + ☉ B.72,82
CDD	10 A	24 + ☉ B.94
CDSH / CDSH NC	10 A	9 and 6 + ☉ B.102,108
CSS	16 A	6 + ☉ B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Accessories:


CR BPE
 PE jumpers

Page E.236

T-TYPE series – Insulating

Hoods – 2 pegs

size **44.27**

Aggressive
Environments



Heavy-Duty
Applications

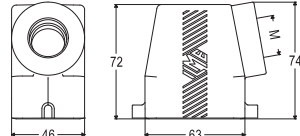
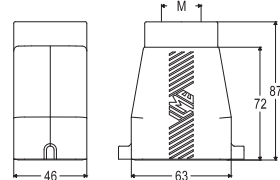


EN 60529	IP65
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 2 pegs, side entry, high construction, without gasket	TMAO 06 L25 TMAO 06 L32	M25 M32	
	Hoods, 2 pegs, top entry, high construction, without gasket	TMAV 06 L25 TMAV 06 L32	M25 M32	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕		
CQE / CQEY	16 A	10 + ⊕		
CDD	10 A	24 + ⊕		
CDSH / CDSH NC	10 A	9 and 6 + ⊕		
CSS	16 A	6 + ⊕		

Accessories:



CR BPE
PE jumpers
Page E.236

T-TYPE series – Insulating

size **57.27**

T-TYPE Housings and hoods for Heavy-Duty Applications

T-TYPE/W Housings and hoods for Aggressive Environments

Aggressive
EnvironmentsHeavy-Duty
Applications

EN 60529

T-TYPE: IP65

T-TYPE/W: IP65 / IP66 / IP69

UL 50 / UL 50E

T-TYPE: Type 12

T-TYPE/W: Type 12 – Type 4 / 4X Indoor Use Only

Ambient temperature limits

-40 °C ... +90 °C

Mechanical life (cycles)

≥ 500

CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE	T-TYPE/W	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	TCHI 10	THIW 10		
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W				
	Surface mounting housings, 2 levers and gasket, high construction	TMAP 10.25 TMAP 10.32	TAPW 10.25 TAPW 10.32	M25 M32	
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).				
	Hoods, 2 levers and gasket, top entry, high construction	TMAV 10 G25 TMAV 10 G32	TAVW 10 G25 TAVW 10 G32	M25 M32	
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W				

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Accessories:

CR BPE
PE jumpers

Page E.236

T-TYPE series – Insulating

Hoods – 4 pegs

size **57.27**
**Aggressive
Environments**

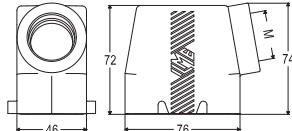
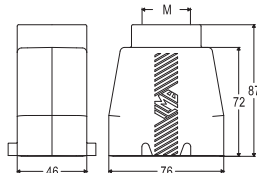
**Heavy-Duty
Applications**


EN 60529	IP65
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 4 pegs, side entry, high construction, without gasket	TMAO 10.25 TMAO 10.32	M25 M32	
	Hoods, 4 pegs, top entry, high construction, without gasket	TMAV 10.25 TMAV 10.32	M25 M32	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 03 T (3-slot sized MIXO frames)	C.95

Accessories:

CR BPE
PE jumpers

Page E.236

T-TYPE series – Insulating

size **77.27**

T-TYPE Housings and hoods for Heavy-Duty Applications

T-TYPE/W Housings and hoods for Aggressive Environments

Aggressive
EnvironmentsHeavy-Duty
Applications

EN 60529	T-TYPE: IP65
	T-TYPE/W: IP65 / IP66 / IP69
UL 50 / UL 50E	T-TYPE: Type 12
	T-TYPE/W: Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

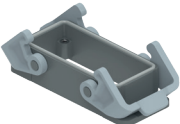
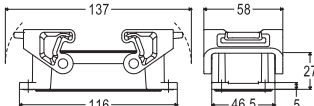
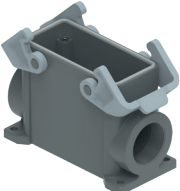
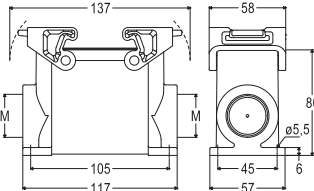
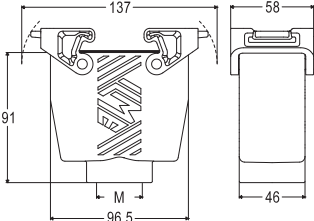
CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE	T-TYPE/W	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W	TCHI 16	THIW 16		
	Surface mounting housings, 2 levers and gasket, high construction - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).	TMAP 16.32 TMAP 16.40	TAPW 16.32 TAPW 16.40	M32 M40	
	Hoods, 2 levers and gasket, top entry, high construction - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W	TMAV 16 G32 TMAV 16 G40	TAVW 16 G32 TAVW 16 G40	M32 M40	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84					
CQEE 16 A	40 + ⊕	B.78	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

Accessories:



CR BPE
PE jumpers
Page E.236

T-TYPE series – Insulating

Hoods – 4 pegs

size **77.27**

Aggressive
Environments



Heavy-Duty
Applications



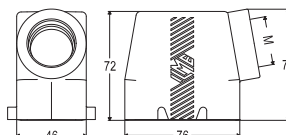
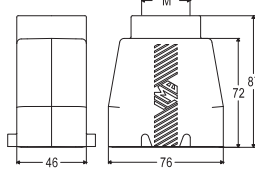
EN 60529	IP65
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK



CAUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 4 pegs, side entry, high construction, without gasket	TMAO 16.32 TMAO 16.40	M32 M40	
	Hoods, 4 pegs, top entry, high construction, without gasket	TMAV 16.32 TMAV 16.40	M32 M40	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Accessories:

 **CR BPE**
PE jumpers
Page E.236

T-TYPE series – Insulating

T-TYPE Housings and hoods for Heavy-Duty Applications

T-TYPE/W Housings and hoods for Aggressive Environments

size **104.27**

Aggressive
Environments



Heavy-Duty
Applications



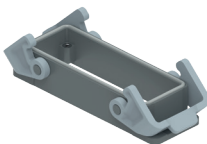
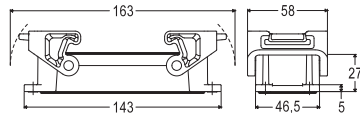
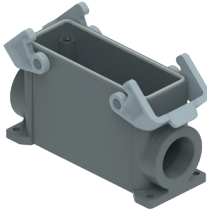
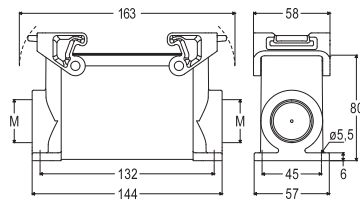
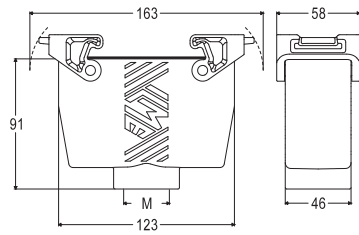
EN 60529	T-TYPE: IP65 T-TYPE/W: IP65 / IP66 / IP69
UL 50 / UL 50E	T-TYPE: Type 12 T-TYPE/W: Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK

DNV BUREAU VERITAS (pending: CQC)

CALUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE	T-TYPE/W	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W	TCHI 24	THIW 24		
	Surface mounting housings, 2 levers and gasket, high construction - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).	TMAP 24.32 TMAP 24.40	TAPW 24.32 TAPW 24.40	M32 M40	
	Hoods, 2 levers and gasket, top entry, high construction - PUR gasket for T-TYPE - FKM gasket for T-TYPE/W	TMAV 24 G32 TMAV 24 G40	TAVW 24 G32 TAVW 24 G40	M32 M40	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:

 **CR BPE**
PE jumpers
Page E.236

T-TYPE series – Insulating

Hoods – 4 pegs

size **104.27**

Aggressive
Environments



Heavy-Duty
Applications



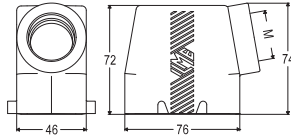
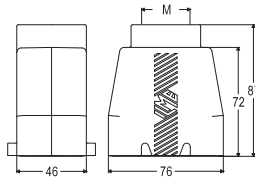
EN 60529	IP65
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK



CAUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, 4 pegs, side entry, high construction, without gasket	TMAO 24.32 TMAO 24.40	M32 M40	
	Hoods, 4 pegs, top entry, high construction, without gasket	TMAV 24.32 TMAV 24.40	M32 M40	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:



CR BPE
PE jumpers
Page E.236



T-TYPE series – Insulating

T-TYPE Covers for Heavy-Duty Applications

T-TYPE/W Covers for Aggressive Environments

size **44.27 – 104.27**

Aggressive
Environments



Heavy-Duty
Applications



EN 60529	T-TYPE: IP65
	T-TYPE/W: IP65 / IP66 / IP69
UL 50 / UL 50E	T-TYPE: Type 12
	T-TYPE/W: Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK

DNV BUREAU VERITAS (pending: CQC)

CALUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE	T-TYPE/W	Entry	Dimension
	Covers, 1 lever and gasket	TCHC 06 LG	THCW 06 LG		
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W				
	For enclosures with 2 pegs without gasket with loop for hoods				
	Covers, 2 levers and gasket	TCHC 10 G	THCW 10 G		
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W				
	For enclosures with 4 pegs without gasket with loop for hoods				
	Covers, 2 levers and gasket	TCHC 16 G	THCW 16 G		
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W				
	For enclosures with 4 pegs without gasket with loop for hoods				
	Covers, 2 levers and gasket	TCHC 24 G	THCW 24 G		
	- PUR gasket for T-TYPE - FKM gasket for T-TYPE/W				
	For enclosures with 4 pegs without gasket with loop for hoods				

T-TYPE series – Insulating

Covers – 2 or 4 pegs

size **44.27 – 104.27**

Aggressive
Environments



Heavy-Duty
Applications

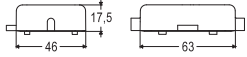
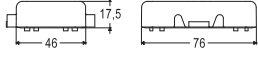
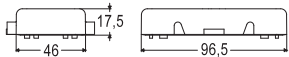
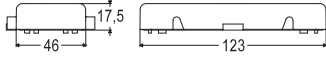


EN 60529	IP65
UL 50 / UL 50E	Type 12
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	With loop	With eyelet	Entry	Dimension
	Covers, 2 pegs, without gasket	TCHC 06 SL	TCHC 06 L		
	For enclosures with 1 lever and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 4 pegs, without gasket	TCHC 10 S	TCHC 10		
	For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 4 pegs, without gasket	TCHC 16 S	TCHC 16		
	For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 				
	Covers, 4 pegs, without gasket	TCHC 24 S	TCHC 24		
	For enclosures with 2 levers and gasket with loop for hoods  or with eyelet for housings 				

T-TYPE and T-TYPE/W

E



T-TYPE series – Insulating
Accessories

size **44.27 – 104.27**

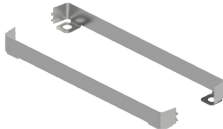
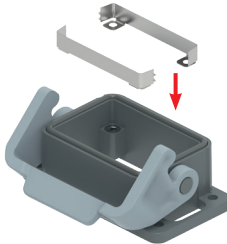
Aggressive
Environments

Heavy-Duty
Applications

CE UK

DNV BUREAU
VERITAS

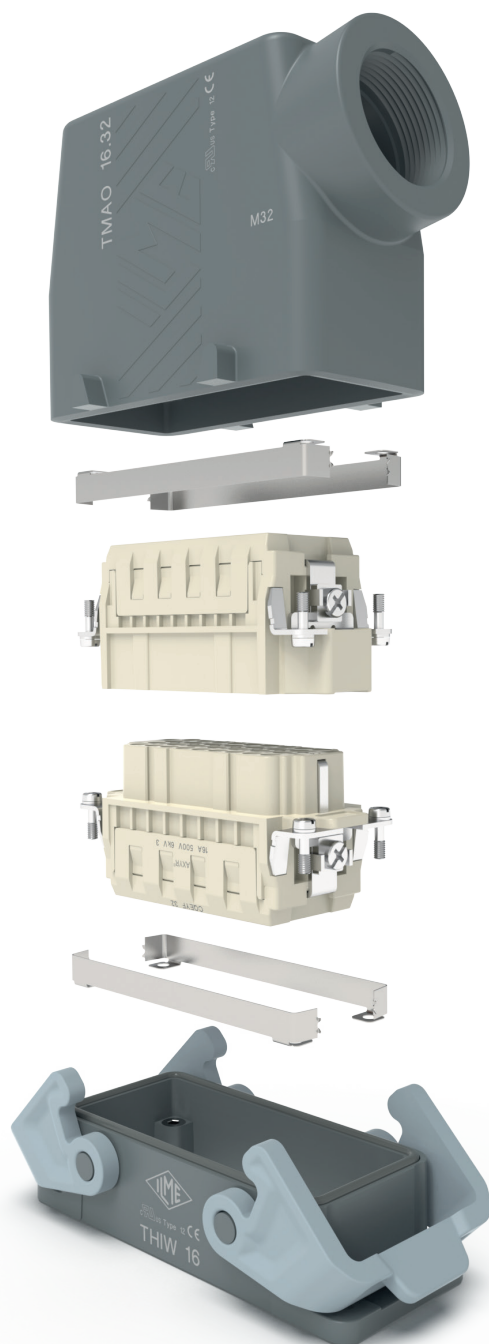
CANUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Size	Part No.	Dimension
	PE jumpers in galvanized brass, to be optionally used with T-TYPE enclosures series	44.27	CR 06 BPE	
		57.27	CR 10 BPE	
		77.27	CR 16 BPE	
		104.27	CR 24 BPE	
CR...BPE accessories PE jumpers could be mounted under the connector inserts to guarantee proper PE connection.				
The jumpers are not usable individually. It is necessary to use <u>both</u> supplied jumpers (in the same housing or hood) in order to ensure the proper inserts alignment.				

T-TYPE and T-TYPE/W

E

Materials	
Pe jumpers	galvanized brass



Panel cut-out drawings

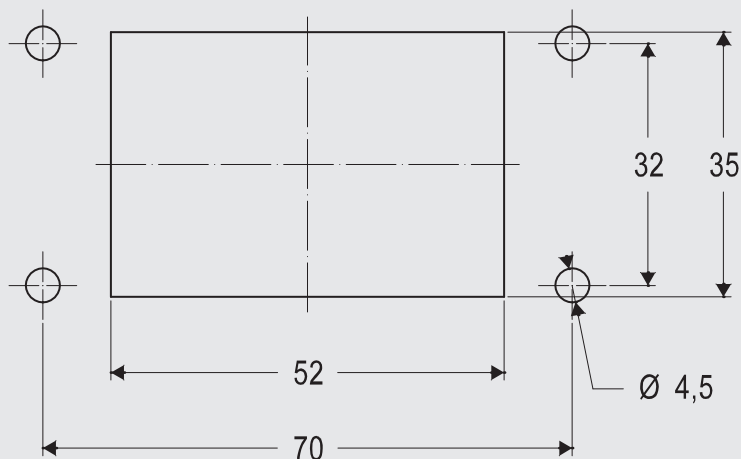
For T-TYPE series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm (measured on the panel without load)
Roughness $R_a \leq 16 \text{ }\mu\text{m}$

Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For T-TYPE series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



T-TYPE/H and T-TYPE/C

HYGIENIC series



T-TYPE/H and T-TYPE/C

Enclosures for food and beverage requirements

The Hygienic multi-pole connector enclosures version (series T-TYPE/H and T-TYPE/C) has been designed for installation on food industry machines and equipment.

Based upon the standard T-TYPE enclosure series, materials have been selected to comply with the requirements laid down by chapter 2.1 of Machinery Directive 2006/42/EC for accidental contact with food products and compatible with the cleaning and sanitising agents typically used in the food industry.

Based on the requirements outlined in EHEDG Guideline n. 32 "Materials of construction for food equipment in contact with food" (EHEDG = European Hygienic Engineering & Design Group), the closing levers and sealing gaskets are made of metal-detectable thermoplastic blue-coloured material to quickly identify accidental contaminations in food products and facilitate the visual identification of their complete cleanliness.



❖ Markings and Approvals

- CE and UKCA markings, EAC not applicable
- UL certified for USA and Canada for Type 12 – Type 4 / 4X Indoor Use Only degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP69 degree of protection.
- RoHS: compliant



SUM-UP

T-TYPE/H series PRODUCTION LINES APPLICATIONS

- > Enclosures in thermoplastic material, dark grey RAL 7012 colour, with high thicknesses providing structural solidity and durability
- > Sealing gaskets made by HNBR rubber formulated in accordance with FDA Guideline 21 CFR §177.2600
- > Locking levers in metal detectable thermoplastic material, blue colour
- > M25, M32 and M40 threaded cable entries
- > IP65 / IP66 / IP69 degree of protection according to EN 60529
- > Each enclosure carries its own part number, thread/size and conformity markings
- > Ambient temperature range: -40 °C / +70 °C



T-TYPE/C series LOW TEMPERATURE APPLICATIONS

- > Enclosures in thermoplastic material, dark grey RAL 7012
- > The Hygienic T-TYPE/C series enclosures have been specifically designed for food and beverage ambient temperature as low as -50 °C (range: -50 °C / +70 °C)
- > Enclosures in thermoplastic material, dark grey RAL 7012 colour, with high thicknesses providing structural solidity and durability
- > IP65 / IP66 / IP69 degree of protection according to EN 60529
- > This version differs from the Hygienic T-TYPE/H one for the sealing gaskets made by in accordance with FDA Guideline 21 CFR §177.2600
- > ILME T-TYPE/C series enclosure materials have been selected according to EU n. 10/2011 regulation requirements and each component has been tested according to EU regulation n. 10/2011 and EC regulation n. 1935/2004



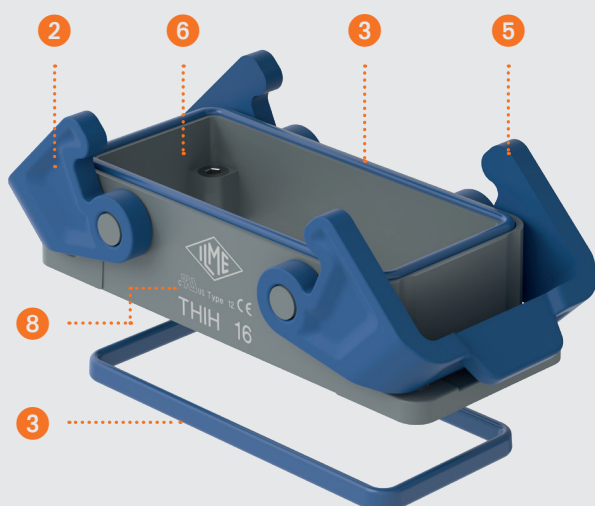
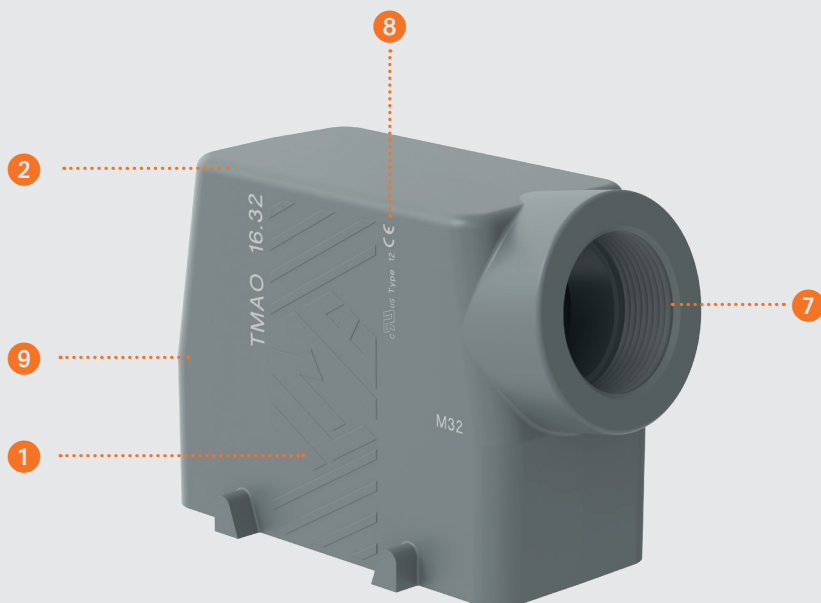
NOTE:

As the characterizing elements of the Hygienic series are the different sealing gasket material and the different locking lever, hoods and covers without sealing gaskets and locking levers are the same of series T-TYPE Standard. See page E.228.

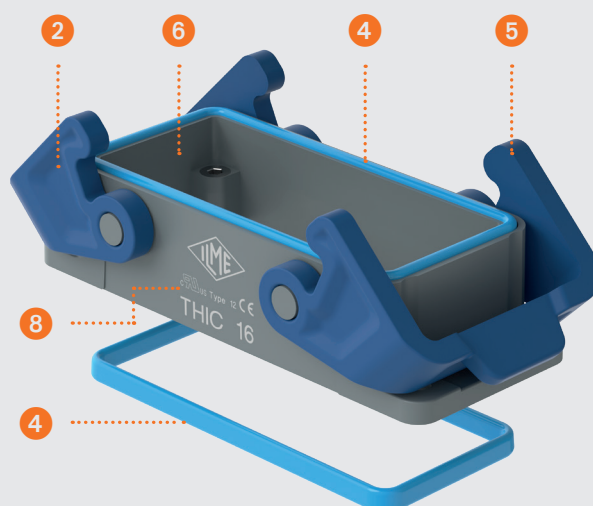


T-TYPE/H and T-TYPE/C HYGIENIC series

TECHNICAL FEATURES



T-TYPE/H series
PRODUCTION LINES APPLICATIONS



T-TYPE/C series
LOW TEMPERATURE APPLICATIONS

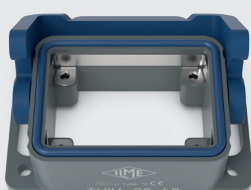
- 1 **Construction:** Structurally solid and mechanically robust, built using BC-MUL® moulding technique together with the use of MIL.BOX® UL 94V-2 material. T-TYPE series is particularly resistant to the main pollutants present in industrial environments.
- 2 **Hygienic Design:** Smooth designed surfaces for levers and enclosure bodies to prevent the dirt retaining.
- 3 **T-TYPE/H gaskets:** Gaskets for T-TYPE/H have been produced in **HNBR rubber** and have been incorporated in the base flange on bulkhead mounting housings for easier installation formulated in accordance with FDA Guideline 21 CFR §177.2600.
- 4 **T-TYPE/C gaskets:** Gaskets for T-TYPE/C have been produced in **SILICONE rubber** and have been incorporated in the base flange on bulkhead mounting housings for easier installation formulated in accordance with FDA Guideline 21 CFR §177.2600.
- 5 **Levers:** The locking levers have been produced in self-extinguishing metal detectable thermoplastic material, blue colour. In accordance with the requirements set forth in EHEDG Guideline n. 32 "Materials of construction for food equipment in contact with food" (EHEDG = European Hygienic Engineering & Design Group), the closing levers and sealing gaskets are coloured blue to easily identify any accidental contaminations in food products and to facilitate the visual identification of their complete cleanliness.
- 6 **Dimensions:** The internal dimensions allow mounting of all connector inserts in their relevant sizes. The external dimensions of the bulkhead mounting housings are similar to those of the corresponding metallic enclosures (standard panel cut-outs and fixing holes). Hoods offer an inner cabling space similar to the "high" construction models of the corresponding metal enclosures. Other characteristics comply with the applicable safety standard for electrical connectors, IEC/EN 61984.
- 7 **Cable entries:** The housing and hood cable entries are available with metric thread, respectively:
 - M25 or M32 for smaller sizes 44.27 and 57.27
 - M32 or M40 for larger sizes 77.27 and 104.27
- 8 **Markings:** Each enclosure carries its own part number and conformity markings.
- 9 **Housings:** As the characterizing elements of the Hygienic series are the different sealing gasket material and the different locking lever, hoods and covers without sealing gaskets and locking levers are the same of series T-TYPE Standard.

ACCESSORIES

Planarity gaskets for T-TYPE Hygienic mounting housings

Suitable for closing the gap underneath wall-mounting housings of all sizes 44.27, 57.27, 77.27 and 104.27 of the T-TYPE HYGIENIC (both /H and /C for cold applications).

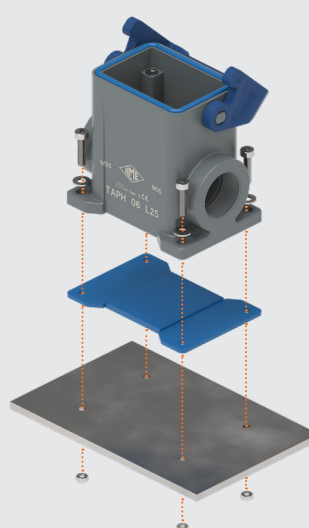
Re-establish planarity of the bottom (base) of these housings, thus avoiding the potential "nesting" of hazardous dirt in a gap that would otherwise be difficult to fully clean with washing in HYGIENIC applications. Made with food grade silicone rubber, blue coloured.



PE Jumpers

For T-TYPE/H and T-TYPE/C, enclosure versions with pre-installed PE jumpers (also known as "bridges," hence the suffix B to identify such variants) are available upon request.

Example: THIH 06 LB is the enclosure version with pre-installed PE jumpers of the standard THIH 06 L.



T-TYPE Hygienic series – Food and Beverage

size **44.27**

T-TYPE/H Housings and hoods for production lines

T-TYPE/C Housings and hoods for low-temperatures

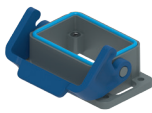
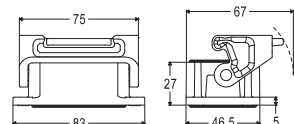
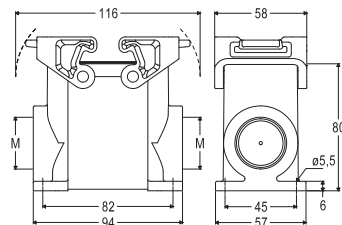
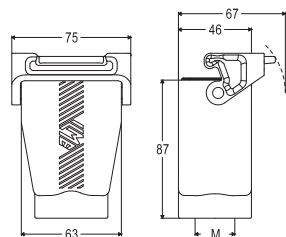
Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	T-TYPE/H: -40 °C ... +70 °C T-TYPE/C: -50 °C ... +70 °C
Mechanical life (cycles)	≥ 500

CE UK

(pending: CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE/H	T-TYPE/C	Entry	Dimension
	Bulkhead mounting housings, 1 lever	THIH 06 L	THIC 06 L		
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				
	Surface mounting housings, 1 lever, high construction	TAPH 06 L25 TAPH 06 L32	TAPC 06 L25 TAPC 06 L32	M25 M32	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).				
	Hoods, 1 lever and gasket, top entry, high construction	TAVH 06 LG25 TAVH 06 LG32	TAVC 06 LG25 TAVC 06 LG32	M25 M32	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ⊕	B.38	
CCE	16 A	6 + ⊕	B.44	
CSH / JSH S	16 A	6 + ⊕	B.52,58	
CQE / CQEY	16 A	10 + ⊕	B.72,82	
CDD	10 A	24 + ⊕	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108	
CSS	16 A	6 + ⊕	B.118	

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:


Hoods
Page E.227

Covers
Page E.235

PE jumpers
(Optional)
Page E.249

T-TYPE Hygienic series – Food and Beverage

size **57.27**

T-TYPE/H Housings and hoods for production lines

T-TYPE/C Housings and hoods for low-temperatures

Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	T-TYPE/H: -40 °C ... +70 °C T-TYPE/C: -50 °C ... +70 °C
Mechanical life (cycles)	≥ 500

CE UK



(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE/H	T-TYPE/C	Entry	Dimension
	Bulkhead mounting housings, 2 levers	THIH 10	THIC 10		
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				
	Surface mounting housings, 2 levers, high construction	TAPH 10.25 TAPH 10.32	TAPC 10.25 TAPC 10.32	M25 M32	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).				
	Hoods, 2 levers and gasket, top entry, high construction	TAVH 10 G25 TAVH 10 G32	TAVC 10 G25 TAVC 10 G32	M25 M32	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				

T-TYPE/H and T-TYPE/C

E

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:

Hoods
Page E.229Covers
Page E.235PE jumpers
(Optional)
Page E.249

T-TYPE Hygienic series – Food and Beverage

size **77.27**

T-TYPE/H Housings and hoods for production lines

T-TYPE/C Housings and hoods for low-temperatures

Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	T-TYPE/H: -40 °C ... +70 °C T-TYPE/C: -50 °C ... +70 °C
Mechanical life (cycles)	≥ 500

CE UK

(pending: CQC)

ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE/H	T-TYPE/C	Entry	Dimension
	Bulkhead mounting housings, 2 levers	THIH 16	THIC 16		
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				
	Surface mounting housings, 2 levers, high construction	TAPH 16.32 TAPH 16.40	TAPC 16.32 TAPC 16.40	M32 M40	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).				
	Hoods, 2 levers and gasket, top entry, high construction	TAVH 16 G32 TAVH 16 G40	TAVC 16 G32 TAVC 16 G40	M32 M40	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Complete with:

Hoods
Page E.231Covers
Page E.235PE jumpers
(Optional)
Page E.249

T-TYPE Hygienic series – Food and Beverage

size **104.27**

T-TYPE/H Housings and hoods for production lines

T-TYPE/C Housings and hoods for low-temperatures

Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	T-TYPE/H: -40 °C ... +70 °C T-TYPE/C: -50 °C ... +70 °C
Mechanical life (cycles)	≥ 500

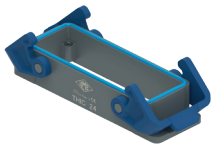
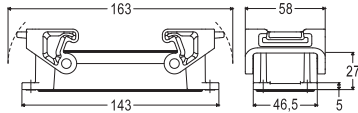
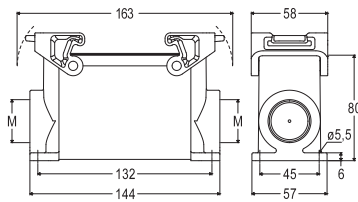
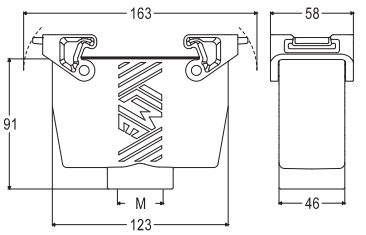
CE UK



(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE/H	T-TYPE/C	Entry	Dimension
	Bulkhead mounting housings, 2 levers	THIH 24	THIC 24		
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				
	Surface mounting housings, 2 levers, high construction	TAPH 24.32 TAPH 24.40	TAPC 24.32 TAPC 24.40	M32 M40	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C Supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).				
	Hoods, 2 levers and gasket, top entry, high construction	TAVH 24 G32 TAVH 24 G40	TAVC 24 G32 TAVC 24 G40	M32 M40	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C				

T-TYPE/H and T-TYPE/C

E

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☉ B.41
CCE	16 A	24 + ☉ B.47
CSH / JSH S	16 A	24 + ☉ B.55,61
CSHT	16 A	24 + ☉ B.68
CQE / CQEY	16 A	46 + ☉ B.75,85
CQEE	16 A	64 + ☉ B.79
CD	10 A	64 + ☉ B.91
CDD	10 A	108 + ☉ B.97
CDSH	10 A	42 + ☉ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☉ B.121
CMCE / CMSE	16 A	10 + 2 (aux.) + ☉ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157
CX / CXC	80 A/16 A	4/8 + ☉ B.161-162

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Complete with:

Hoods
Page E.233Covers
Page E.235PE jumpers
(Optional)
Page E.249



T-TYPE Hygienic series – Food and Beverage

size **44.27 – 104.27**

T-TYPE/H Covers for production lines

T-TYPE/C Covers for low-temperatures

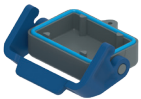
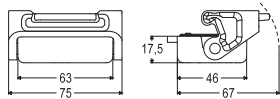
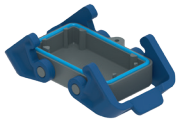
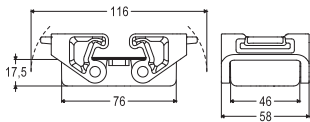
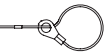
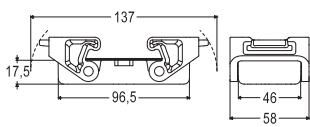
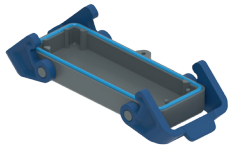
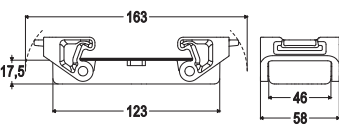
Specialized
Applications

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 – Type 4 / 4X Indoor Use Only
Ambient temperature limits	T-TYPE/H: -40 °C ... +70 °C T-TYPE/C: -50 °C ... +70 °C
Mechanical life (cycles)	≥ 500

CE UK

DNV BUREAU VERITAS (pending: CQC)

CFLUS ECBT2.E115072 | ECBT8.E115072

Item	Description	T-TYPE/H	T-TYPE/C	Size	Dimension
	Covers, 1 lever and gasket	THCH 06 LG	THCC 06 LG	44.27	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C For enclosures with 2 pegs without gasket with loop for hoods 				
	Covers, 2 levers and gasket	THCH 10 G	THCC 10 G	57.27	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C For enclosures with 4 pegs without gasket with loop for hoods 				
	Covers, 2 levers and gasket	THCH 16 G	THCC 16 G	77.27	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C For enclosures with 4 pegs without gasket with loop for hoods 				
	Covers, 2 levers and gasket	THCH 24 G	THCC 24 G	104.27	
	- HNBR gasket for T-TYPE/H - SILICONE gasket for T-TYPE/C For enclosures with 4 pegs without gasket with loop for hoods 				

Complete with:

**Hoods**

Page E.227,229,231,233

T-TYPE Hygienic series – Food and Beverage

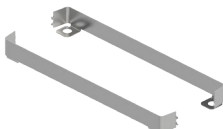
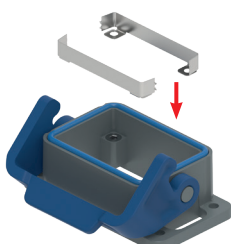
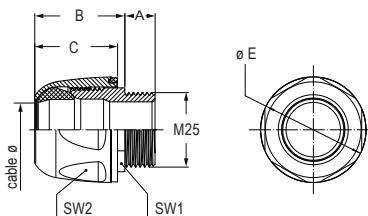
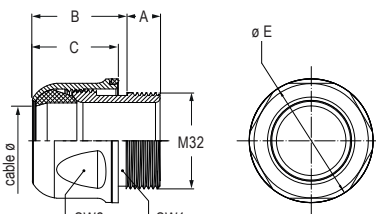
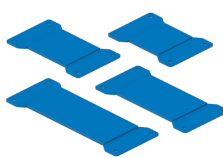
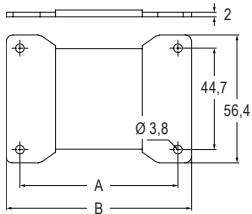
Accessories

size **44.27 – 104.27**Specialized
Applications

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Size	Part No.	Entry	Dimension																								
	PE jumpers in galvanized brass, to be optionally used with T-TYPE enclosures series CR...BPE accessories PE jumpers could be mounted under the connector inserts to guarantee proper PE connection. The jumpers are not usable individually. It is necessary to use <u>both</u> supplied jumpers (in the same housing or hood) in order to ensure the proper inserts alignment.	44.27 57.27 77.27 104.27	CR 06 BPE CR 10 BPE CR 16 BPE CR 24 BPE																										
	Hygienic cable glands M25X1,5 for T-TYPE/H and T-TYPE/C enclosures - IP68, IP69 degree of protection - Ambient temperature limit: -20 °C ... +85 °C - ECOLAB and EHEDG compliant    certified	ø 12,0-15,0 ø 15,0-18,0	AH M25IF AH M25IFL	M25 M25	 <table><tr><th>Part No.</th><th>A</th><th>B</th><th>C</th><th>SW1</th><th>SW2</th><th>ø E</th><th>cable ø</th></tr><tr><td>AH M25IF</td><td>10</td><td>30</td><td>27</td><td>24</td><td>38</td><td>34,9</td><td>12-15</td></tr><tr><td>AH M25IFL</td><td>10</td><td>30</td><td>27</td><td>24</td><td>38</td><td>34,9</td><td>15-18</td></tr></table>	Part No.	A	B	C	SW1	SW2	ø E	cable ø	AH M25IF	10	30	27	24	38	34,9	12-15	AH M25IFL	10	30	27	24	38	34,9	15-18
Part No.	A	B	C	SW1	SW2	ø E	cable ø																						
AH M25IF	10	30	27	24	38	34,9	12-15																						
AH M25IFL	10	30	27	24	38	34,9	15-18																						
	Hygienic cable glands M32X1,5 for T-TYPE/H and T-TYPE/C enclosures - IP68, IP69 degree of protection - Ambient temperature limit: -20 °C ... +85 °C - ECOLAB and EHEDG compliant    certified	ø 18,0-21,0 ø 20,0-23,0	AH M32IF AH M32IFL	M32 M32	 <table><tr><th>Part No.</th><th>A</th><th>B</th><th>C</th><th>SW1</th><th>SW2</th><th>ø E</th><th>cable ø</th></tr><tr><td>AH M32IF</td><td>11</td><td>32</td><td>28</td><td>30</td><td>38</td><td>40,9</td><td>18-21</td></tr><tr><td>AH M32IFL</td><td>11</td><td>32</td><td>28</td><td>30</td><td>38</td><td>40,9</td><td>20-23</td></tr></table>	Part No.	A	B	C	SW1	SW2	ø E	cable ø	AH M32IF	11	32	28	30	38	40,9	18-21	AH M32IFL	11	32	28	30	38	40,9	20-23
Part No.	A	B	C	SW1	SW2	ø E	cable ø																						
AH M32IF	11	32	28	30	38	40,9	18-21																						
AH M32IFL	11	32	28	30	38	40,9	20-23																						
	Planarity gasket for T-TYPE HYGIENIC surface mounting housings	44.27 57.27 77.27 104.27	CR 06 GTPC CR 10 GTPC CR 16 GTPC CR 24 GTPC		 <table><tr><th>Part No.</th><th>polarity</th><th>A (mm)</th><th>B (mm)</th></tr><tr><td>CR 06 GTPC</td><td>06</td><td>69,7</td><td>81,7</td></tr><tr><td>CR 10 GTPC</td><td>10</td><td>81,7</td><td>93,9</td></tr><tr><td>CR 16 GTPC</td><td>16</td><td>104,7</td><td>116,7</td></tr><tr><td>CR 24 GTPC</td><td>24</td><td>131,7</td><td>143,6</td></tr></table>	Part No.	polarity	A (mm)	B (mm)	CR 06 GTPC	06	69,7	81,7	CR 10 GTPC	10	81,7	93,9	CR 16 GTPC	16	104,7	116,7	CR 24 GTPC	24	131,7	143,6				
Part No.	polarity	A (mm)	B (mm)																										
CR 06 GTPC	06	69,7	81,7																										
CR 10 GTPC	10	81,7	93,9																										
CR 16 GTPC	16	104,7	116,7																										
CR 24 GTPC	24	131,7	143,6																										

Materials

Cable glands	thermoplastic
Pe jumpers	galvanized brass
Planarity gasket	food grade silicone

Colours

Cable glands	white, blue, RAL 5005
Planarity gasket	blue, RAL 5005

Panel cut-out drawings

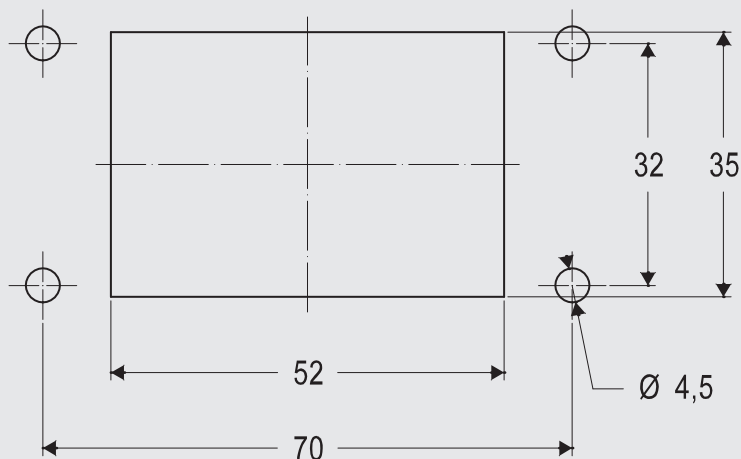
For T-TYPE Hygienic series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm (measured on the panel without load)
Roughness $R_a \leq 16 \text{ }\mu\text{m}$

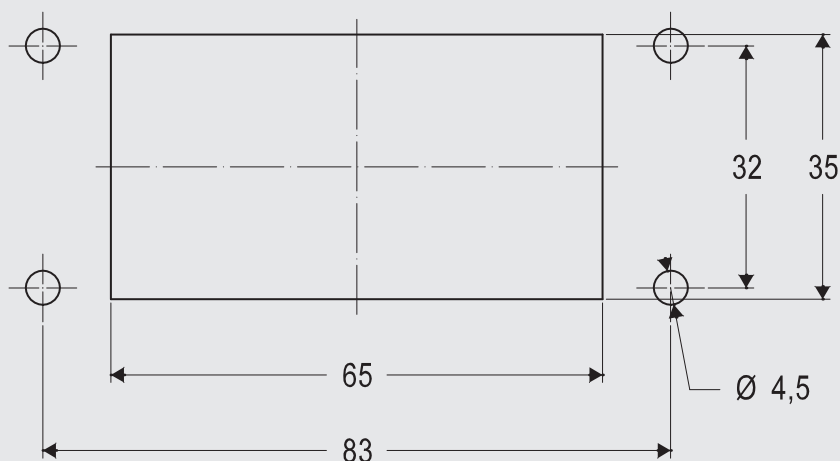
Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For T-TYPE Hygienic series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μ m

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



CENTRAL LEVER series

Easy access for robotics



The series is specifically designed for industrial applications with limited installation space. Central Lever enclosures can be installed, placed side-by-side, and opened with a single movement.

SUM-UP

- > Made of die cast aluminium alloy, epoxy-polyester thermosetting powder coating grey RAL 7040.
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel resistant vinyl nitrile elastomer.
- > Stainless steel locking device.
- > Ambient temperature range: -40 °C / +125 °C.
- > Stainless steel locking pegs with rollers, to reduce wear.

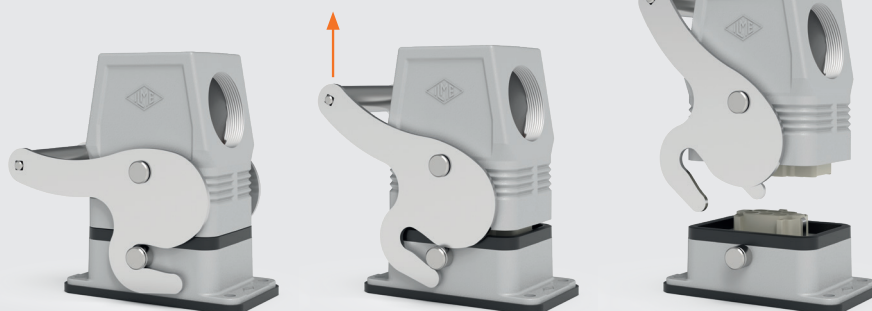
✓ Markings and Approvals

- CE and UKA markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 degree of protection.
- RoHS: compliant

FOCUS

Levers and technology

The shape of the lever reduces the effort required to uncouple the inserts by acting on the rolling pegs in a pre-opening phase.



ACCESSORIES

Central Lever Locking Devices

A stainless steel locking device can be easily placed on the side of a 104.27 central lever hood to lock the lever's opening movement in place, avoiding any unwanted and potentially hazardous accidental opening.



▶ CR YLK24



▶ CR YLK24 SL



Central lever series

Housings and hoods with 2 pegs for central levers

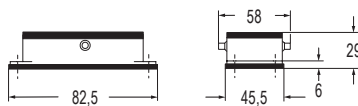
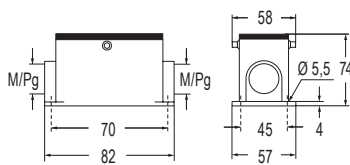
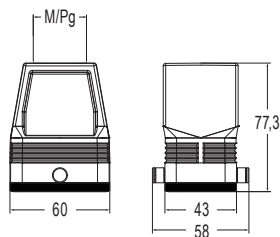
size **44.27**Heavy-Duty
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 pegs and gasket	CHI 06 YC		
	Surface mounting housings, 2 pegs and gasket, high construction, 2 entries	MAP 06 YC232 CAP 06 YC229	M32 × 2 Pg 29 × 2	
	Hoods, top entry, 2 pegs and gasket, high construction To be used only with a complete cable gland	MFV 06 GYC25 MFV 06 GYC32 MFV 06 GYC40 CFV 06 GYC21 CFV 06 GYC29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	6 + ⊕	B.38	C.12-93
CCE	16 A	6 + ⊕	B.44	
CSH / JSH S	16 A	6 + ⊕	B.52,58	
CQE / CQEY	16 A	10 + ⊕	B.72,82	
CDD	10 A	24 + ⊕	B.94	
CDSH / CDSH NC	10 A	9 and 6 + ⊕	B.102,108	
CSS	16 A	6 + ⊕	B.118	
CT / CTSE*	16 A	6 + ⊕	B.126,130	

*can be used only in bulkhead mounting housings

Central lever series

Hoods with central lever

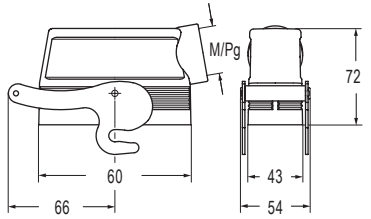
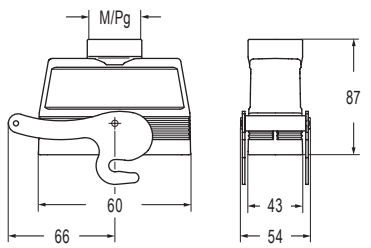
size **44.27**
**Heavy-Duty
Applications**

CE UK


EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, side entry, 1 central lever, without gasket	MAO 06 YX25 MAO 06 YX32 CAO 06 YX21 CAO 06 YX29	M25 M32 Pg 21 Pg 29	
	Hoods, top entry, 1 central lever, without gasket	MAV 06 YX25 MAV 06 YX32 CAV 06 YX21 CAV 06 YX29	M25 M32 Pg 21 Pg 29	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	6 + ⊕	B.52,58		
CQE / CQEY 16 A	10 + ⊕	B.72,82		
CDD 10 A	24 + ⊕	B.94		
CDSH / CDSH NC 10 A	9 and 6 + ⊕	B.102,108		
CSS 16 A	6 + ⊕	B.118		

Central lever series

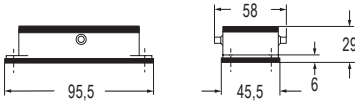
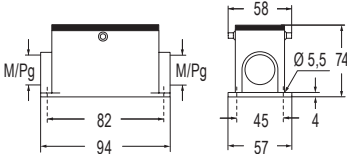
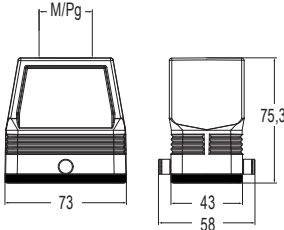
Housings and hoods with 2 pegs for central levers

size **57.27**Heavy-Duty
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 pegs and gasket	CHI 10 YC		
	Surface mounting housings, 2 pegs and gasket, high construction, 2 entries	MAP 10 YC232 CAP 10 YC229	M32 × 2 Pg 29 × 2	
	Hoods, top entry, 2 pegs and gasket, high construction To be used only with a complete cable gland	MFV 10 GYC25 MFV 10 GYC32 MFV 10 GYC40 CFV 10 GYC21 CFV 10 GYC29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

size **57.27**

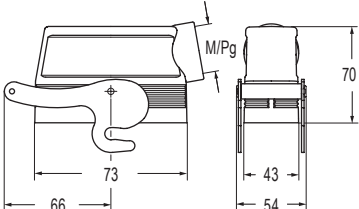
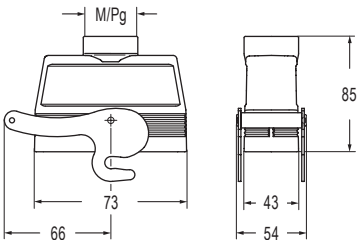
Heavy-Duty Applications



CE UK
CA



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, side entry, 1 central lever, without gasket	MAO 10 YX32 MAO 10 YX40 CAO 10 YX21 CAO 10 YX29	M32 M40 Pg 21 Pg 29	
	Hoods, top entry, 1 central lever, without gasket	MAV 10 YX32 MAV 10 YX40 CAV 10 YX21 CAV 10 YX29	M32 M40 Pg 21 Pg 29	

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☹ B.39
CCE	16 A	10 + ☹ B.45
CSH / JSH S	16 A	10 + ☹ B.53,59
CSHT	16 A	10 + ☹ B.66
CQE / CQEY	16 A	18 + ☹ B.73,83
CDD	10 A	42 + ☹ B.95
CDSH	10 A	18 + ☹ B.103
CSS	16 A	10 + ☹ B.119

Inserts size 57.27	Poles	Pages
CMCE / CMSH	16 A	3 + 2 (aux.) + ☹ B.144,149
CX	40 A/10 A	8/24 + ☹ B.170-171

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 03 T (3-slot sized MIXO frames)	C.95

Central lever series

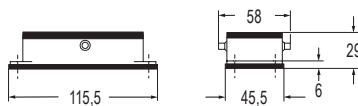
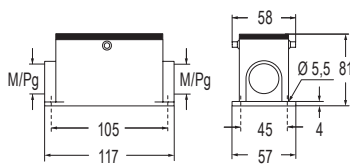
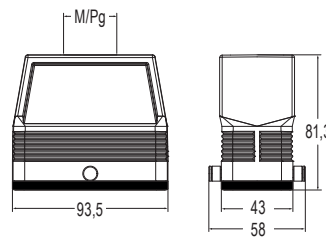
Housings and hoods with 2 pegs for central levers

size **77.27**Heavy-Duty
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



CFLUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 pegs and gasket	CHI 16 YC		
	Surface mounting housings, 2 pegs and gasket, high construction, 2 entries	MAP 16 YC232 CAP 16 YC229	M32 × 2 Pg 29 × 2	
	Hoods, top entry, 2 pegs and gasket, high construction To be used only with a complete cable gland	MFV 16 GYC25 MFV 16 GYC32 MFV 16 GYC40 CFV 16 GYC21 CFV 16 GYC29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CT / CTSE*	16 A	16 + ☉ B.128,132		
CSHT	16 A	16 + ☉ B.67	CT / CTS*	10 A	40 + ☉ B.138,140		
CQE / CQEY	16 A	32 + ☉ B.74,84	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CQEE	16 A	40 + ☉ B.78	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CDSH	10 A	27 + ☉ B.104					

*can be used only in bulkhead mounting housings

Central lever series

Hoods with central lever

size **77.27**Heavy-Duty
Applications

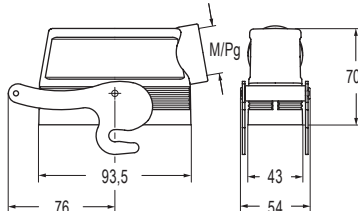
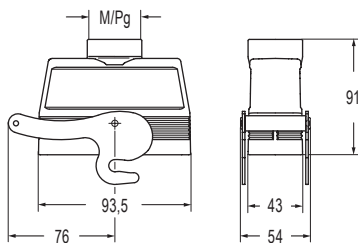
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, side entry, 1 central lever, without gasket	MAO 16 YX32 MAO 16 YX40 CAO 16 YX21 CAO 16 YX29	M32 M40 Pg 21 Pg 29	
	Hoods, top entry, 1 central lever, without gasket	MAV 16 YX32 MAV 16 YX40 CAV 16 YX21 CAV 16 YX29	M32 M40 Pg 21 Pg 29	

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					



Central lever series

Housings and hoods with 2 pegs for central levers

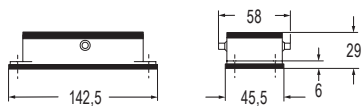
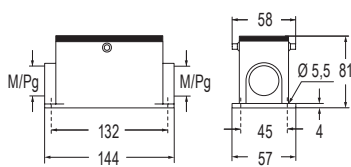
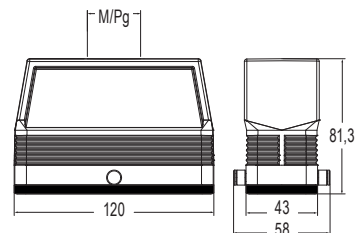
size **104.27**Heavy-Duty
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 pegs and gasket	CHI 24 YC		
	Surface mounting housings, 2 pegs and gasket, high construction, 2 entries	MAP 24 YC232 CAP 24 YC229	M32 × 2 Pg 29 × 2	
	Hoods, top entry, 2 pegs and gasket, high construction To be used only with a complete cable gland	MFV 24 GYC25 MFV 24 GYC32 MFV 24 GYC40 CFV 24 GYC21 CFV 24 GYC29	M25 M32 M40 Pg 21 Pg 29	

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEQ	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Central lever series

Hoods with central lever

size **104.27**Heavy-Duty
Applications

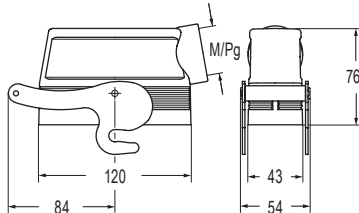
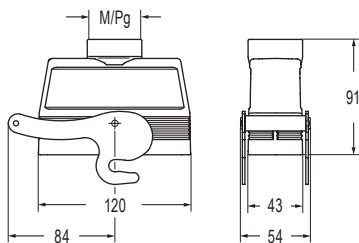
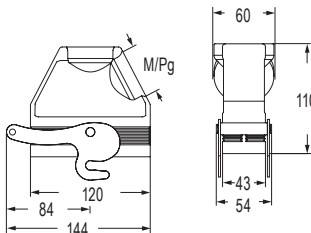
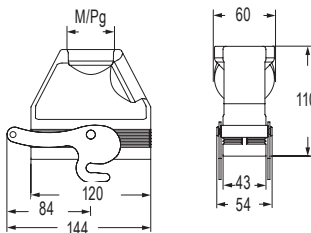
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods, side entry, 1 central lever, without gasket	MAO 24 YX32 MAO 24 YX40 CAO 24 YX21 CAO 24 YX29	M32 M40 Pg 21 Pg 29	
	Hoods, top entry, 1 central lever, without gasket	MAV 24 YX32 MAV 24 YX40 CAV 24 YX21 CAV 24 YX29	M32 M40 Pg 21 Pg 29	
	Inclined hoods, side entry, 1 central lever, without gasket To be used only with a complete cable gland	MIO 24 YX40 MIO 24 YX50 CIO 24 YX36	M40 M50 Pg 36	
	Inclined hoods, top entry, 1 central lever, without gasket To be used only with a complete cable gland	MIV 24 YX40 MIV 24 YX50 CIV 24 YX36	M40 M50 Pg 36	

CENTRAL LEVER

E

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Accessories:


CR YLK24
Locking device
Page G.44

CR YLK24 SL
Locking device
Page G.44

Panel cut-out drawings

For Central lever series bulkhead mounting housings

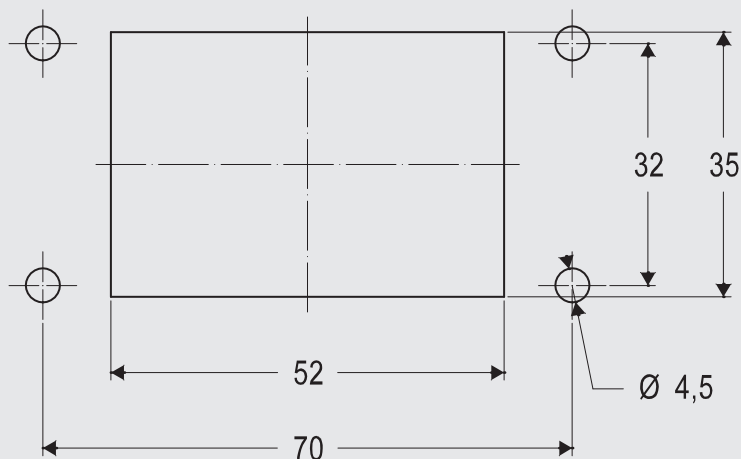
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

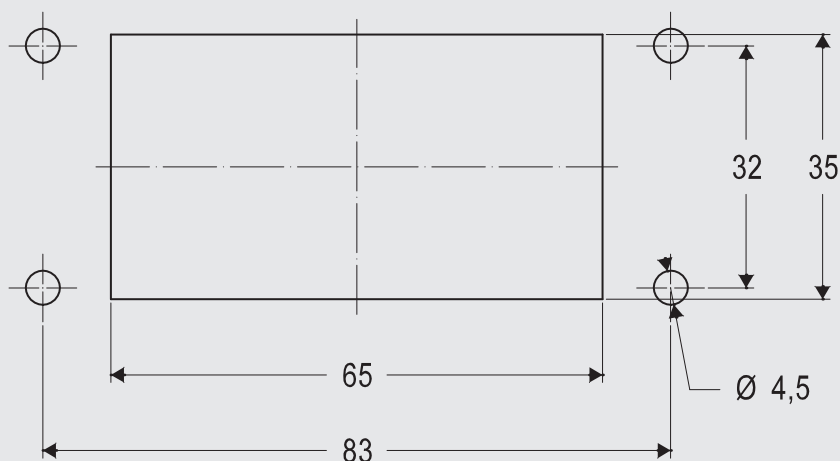
Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended torque:
 0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For Central lever series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended torque:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



BIG series

The space you have always needed



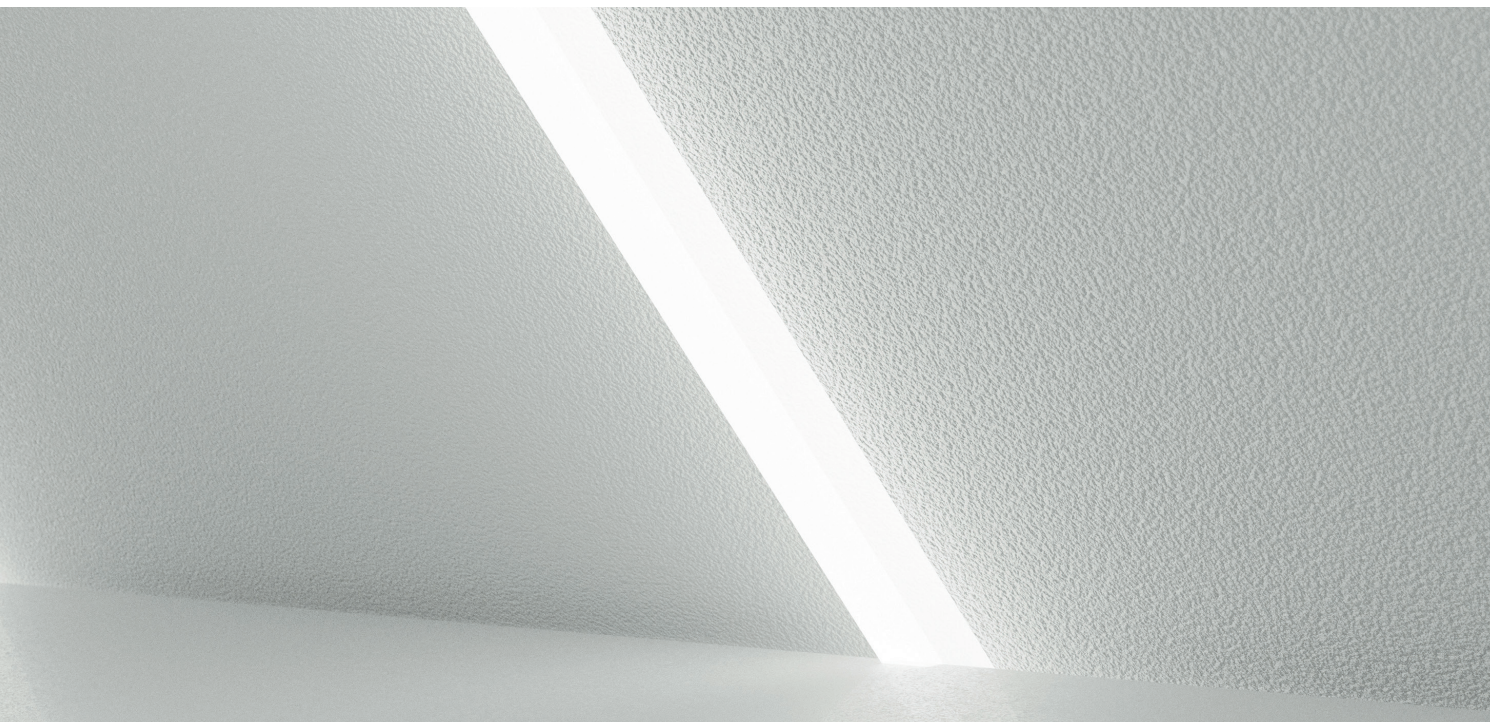
BIG

BIG series

BIG series introduces a significant change in the hood design and has been specifically developed to meet the wiring market's requirements in terms of conductor dimension and installation space.

The enclosures integrate the existing inserts range and are ideal for structured and complex wiring installations (e.g., power contacts with large wire cross-sections, pneumatic contacts and large wire bundles).

E



SUM-UP

- > The BIG enclosures are made in die-cast aluminum alloy and are fitted with cast pegs with a reinforced design, painted with epoxy-polyester powder paint.
- > The sealing gasket in anti-aging NBR elastomer, resistant to oils and fuels, is positioned internally to guarantee a greater protection from light and atmospheric agents.
- > BIG enclosures guarantee an IP67 protection rating (EN 60529) after the connector has been coupled with V-TYPE series - IP67 version housings, and completed with appropriate cable glands; they are manufactured in compliance with standard IEC/EN 61984.
- > Ambient temperature range -40 °C / +125 °C.
- > Versions for aggressive environments (W-TYPE series) are also available upon request.

❖ Markings and Approvals

- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP69 degree of protection
- IP65 / IP66 / IP67 / IP69 degree of protection when coupled with V-TYPE series - IP67 version housings
- RoHS: compliant



BIG series

The space you have always needed

The large dimensions of these innovative enclosures have been chosen to offer customers an adequate space to store conductors. **The width of the enclosures is greater than that of previous versions:** 66 mm compared to the 43 mm for standard enclosures.

The height of BIG enclosures has also been increased to 100 mm for sizes 44.27 and 57.27 (standard versions for high models: 70 and 72 mm), and to 110 mm for sizes 77.27 and 104.27 (standard versions for high models: 76 mm).



Ease of use

The cable compartment is fully accessible during assembly, offering three times the space compared to standard enclosures. The two separate halves of the hood simplify the installation of the insert.

Simplified installation

Installation operations for the hoods are simple and fast. No special accessories, tools or expensive additional operations are required. The lower half of the enclosure must be fixed to the upper half using the four screws supplied. It is possible to prevent the fixing screws from coming loose by fitting on each screw the O-ring seal provided with the enclosures.

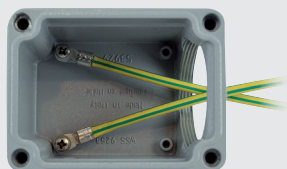
Options for the connection of control and signalling devices

The thickness of each hood is enough to host multiple threaded cable entries. BIG enclosures enable the connection of push buttons, selectors, switches, and signalling lamps after the necessary holes have been prepared.

Compartment for electronic boards

It is possible to install electronic boards in the upper section of enclosures with side entry. In this case, it is, however, necessary to order CR MBS screws separately to fix the board in place.





Greater protection

It is also possible to fix one earthing terminal in the upper half of the enclosure to protect indirect contacts. In this case, it is however necessary to order separate earthing terminal CR MBT, consisting of fixing screws and a wire terminal for 6 mm² conductors.

WARNING

Due to the **considerable weight** of BIG hoods, when fitted with inserts, conductors and cable glands, we recommend to use them in combination with housings fitted with V-TYPE closing levers (C7/M7/CV/MV).

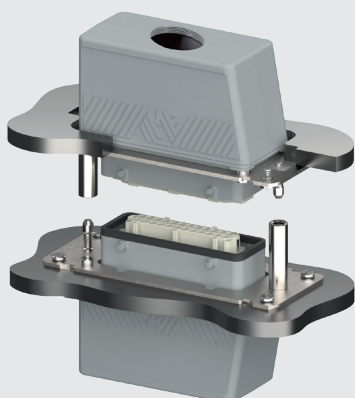
If used in combination with enclosures series CLASS, it is advisable to appropriately anchor the cables in order to prevent their weight from being applied to the closing levers.

FOCUS

BIG Hoods with integrated self-centring floating frame

These special variants of the series BIG connector enclosures (a series which is proprietary ILME design) consist of two hoods, one with edge gasket, the other without, both equipped with dedicated variant of robust stainless steel special self-centring floating frame.

They are designed to allow electrical (power and signal) connection between two pieces of equipment (both fixed, one foreseen for frequent swap), guided by a dedicated special self-centring floating frame.



→ BIG special hoods with integrated special self-centring floating frame allow guided, frequent swaps avoiding damages and ingress of contaminants

BIG series – Multiple cable entries

Hoods with 2 pegs

size **44.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
When coupled with V-TYPE series - IP67 version	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods with 2 pegs, side and/or top entry, without gasket To be used only with a complete cable gland	Side entry	Top entry	
		MBO 06 L40	MBV 06 L40	
		MBO 06 L50	MBV 06 L50	
		Side and Top entries		
		MBVO 06 L240	M40 M50 M40 × 2	
	Hoods with 2 pegs, designed to be drilled, without gasket	Without entry		
		CBC 06 L		
	Hoods with 2 pegs, 2 x top entries, without gasket To be used only with a complete cable gland	MBV 06 L225	M25 × 2	
				MBV 06 L225
	Hoods with 2 pegs, 3 x top entries, without gasket To be used only with a complete cable gland	MBV 06 L320	M20 × 3	
				MBV 06 L320

Inserts size 44.27	Poles	Pages
CNE	16 A	6 + ☉ B.38
CCE	16 A	6 + ☉ B.44
CSH / JSH S	16 A	6 + ☉ B.52,58
CQE / CQEY	16 A	10 + ☉ B.72,82
CDD	10 A	24 + ☉ B.94
CDSH / CDSH NC	10 A	9 and 6 + ☉ B.102,108
CSS	16 A	6 + ☉ B.118

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

Complete with:


**V-TYPE
Housings**
Page E.124

BIG series – Multiple cable entries

Hoods with 4 pegs

size **57.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
When coupled with V-TYPE series - IP67 version	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods with 4 pegs, side and/or top entry, without gasket To be used only with a complete cable gland	Side entry	Top entry	
		MBO 10.40		
		MBO 10.50		
		Side and Top entries		
		MBVO 10.240		
			M40 M50	
			M40 × 2	
	Hoods with 4 pegs, designed to be drilled, without gasket	Without entry		
		CBC 10		
	Hoods with 4 pegs, 2 x top entries, without gasket To be used only with a complete cable gland	MBV 10.225	M25 × 2	
				MBV 10.225
	Hoods with 4 pegs, 4 x top entries, without gasket To be used only with a complete cable gland	MBV 10.420	M20 × 4	
				MBV 10.420

Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39
CCE	16 A	10 + ☉ B.45
CSH / JSH S	16 A	10 + ☉ B.53,59
CSHT	16 A	10 + ☉ B.66
CQE / CQEY	16 A	18 + ☉ B.73,83
CDD	10 A	42 + ☉ B.95
CDSH	10 A	18 + ☉ B.103
CSS	16 A	10 + ☉ B.119

Inserts size 57.27	Poles	Pages
CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CX	40 A/10 A	8/24 + ☉ B.170-171
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX 03 T (3-slot sized MIXO frames)		C.95

Complete with:


**V-TYPE
Housings**
Page E.125

BIG series – Multiple cable entries

Hoods with 4 pegs

size **77.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
When coupled with V-TYPE series - IP67 version	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK


CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods with 4 pegs, side and/or top entry, without gasket To be used only with a complete cable gland	Side entry	Top entry	
		MBO 16.40	MBV 16.40	
		MBO 16.50	MBV 16.50	
		Side and Top entries		
		MBVO 16.240	M40 M50 M40 × 2	
	Hoods with 4 pegs, designed to be drilled, without gasket	Without entry		
		CBC 16		
	Hoods with 4 pegs, 2 x top or side entries, without gasket To be used only with a complete cable gland	Side entry	Top entry	
		MBO 16.225	MBV 16.232	
			M25 × 2 M32 × 2	
				MBV 16.232 MBO 16.225
	Hoods with 4 pegs, multiple top entries, without gasket To be used only with a complete cable gland			
		MBV 16.325		
		MBV 16.620	M25 × 3 M20 × 6	
				MBV 16.325 MBV 16.620

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84					
CQEE	16 A	40 + ☉ B.78	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

Complete with:

**V-TYPE
Housings**
Page E.126

BIG series – Multiple cable entries

Hoods with 4 pegs

size **104.27**
**Heavy-Duty
Applications**


EN 60529	IP65 / IP66 / IP69
When coupled with V-TYPE series - IP67 version	IP65 / IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Hoods with 4 pegs, side and/or top entry, without gasket To be used only with a complete cable gland	Side entry	Top entry	
		MBO 24.40 MBO 24.50	MBV 24.40 MBV 24.50	
		Side and Top entries		
		MBVO 24.250	M50 × 2	
	Hoods with 4 pegs, designed to be drilled, without gasket	Without entry		
		CBC 24		
	Hoods with 4 pegs, 2 x top or side entries, without gasket To be used only with a complete cable gland	Side entry	Top entry	
		MBO 24.225	MBV 24.240	
			M25 × 2 M40 × 2	 MBV 24.240
				 MBO 24.225
	Hoods with 4 pegs, multiple top entries, without gasket To be used only with a complete cable gland			 MBV 16.325
		MBV 24.332 MBV 24.425 MBV 24.720	M32 × 3 M25 × 4 M20 × 7	 MBV 24.425
				 MBV 24.720

Inserts size 104.27	Poles	Pages
CNE	16 A	24 + ☺ B.41
CCE	16 A	24 + ☺ B.47
CSH / JSH S	16 A	24 + ☺ B.55,61
CSHT	16 A	24 + ☺ B.68
CQE / CQEY	16 A	46 + ☺ B.75,85
CQEE	16 A	64 + ☺ B.79
CD	10 A	64 + ☺ B.91
CDD	10 A	108 + ☺ B.97
CDSH	10 A	42 + ☺ B.105

Inserts size 104.27	Poles	Pages
CSS	16 A	24 + ☺ B.121
CMCE / CMSH	16 A	10 + 2 (aux.) + ☺ B.146,151
CX	100 A/16 A	8/0 and 6/6 + ☺ B.156-157
CX / CXC	80 A/16 A	4/8 + ☺ B.161-162

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 06 T (6-slot sized MIXO frames)	C.95

Complete with:


**V-TYPE
Housings**
Page E.127

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

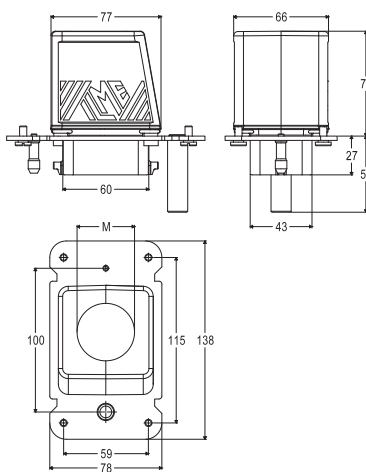
size **44.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Hoods with 2 pegs, top entry, without gasket, with integrated special self-centring floating frame To be used only with a complete cable gland ! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.	MBV 06.40D	M40	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕		
CQE / CQEY	16 A	10 + ⊕		
CDD	10 A	24 + ⊕		
CDSH / CDSH NC	10 A	9 and 6 + ⊕		
CSS	16 A	6 + ⊕		

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

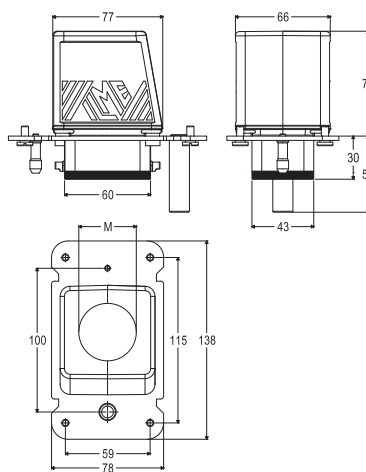
size **44.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Hoods with 2 pegs, top entry, with gasket, with integrated special self-centring floating frame To be used only with a complete cable gland ! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.	MBV 06.40DG	M40	

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	6 + ⊕	B.52,58		
CQE / CQEY 16 A	10 + ⊕	B.72,82		
CDD 10 A	24 + ⊕	B.94		
CDSH / CDSH NC 10 A	9 and 6 + ⊕	B.102,108		
CSS 16 A	6 + ⊕	B.118		

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

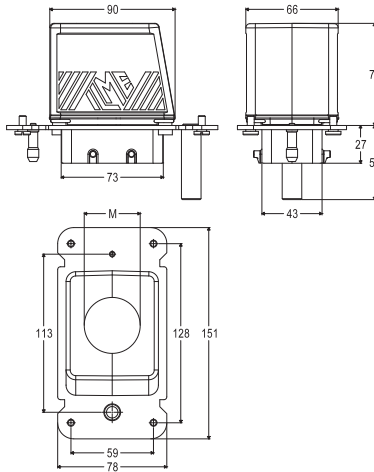
size **57.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Hoods with 4 pegs, top entry, without gasket, with integrated special self-centring floating frame	MBV 10.40D	M40	
	To be used only with a complete cable gland ! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.			

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

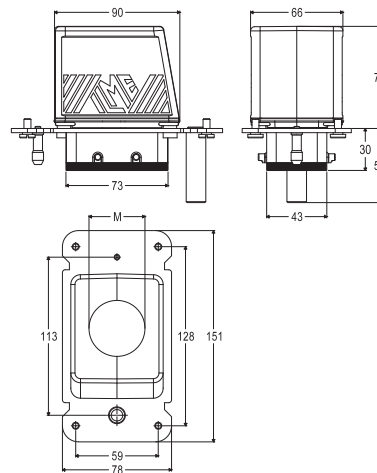
size **57.27**
**Heavy-Duty
Applications**


EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Entry	Dimension
	Hoods with 4 pegs, top entry, with gasket, with integrated special self-centring floating frame To be used only with a complete cable gland ! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.	MBV 10.40DG	M40	

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CCE	16 A	10 + ☉ B.45	CX	40 A/10 A	8/24 + ☉ B.170-171
CSH / JSH S	16 A	10 + ☉ B.53,59			
CSHT	16 A	10 + ☉ B.66			
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

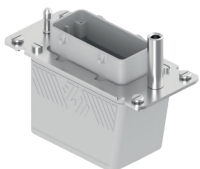
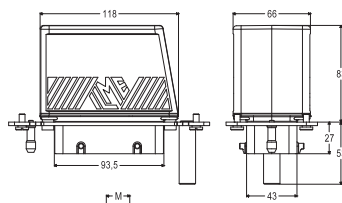
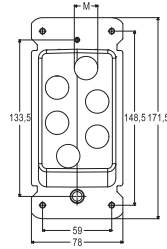
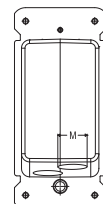
size **77.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods with 4 pegs, multiple side or top entries, without gasket, with integrated special self-centring floating frame	MBO 16.225D	MBV 16.620D	M20 × 6 M25 × 2	
	To be used only with a complete cable gland				
	! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.				
					MBV 16.620D
					MBO 16.225D

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CSHT 16 A	16 + ⊕	B.67	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CQEE 16 A	40 + ⊕	B.78					
CD 10 A	40 + ⊕	B.90					
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

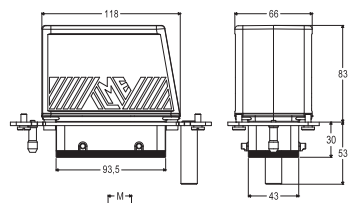
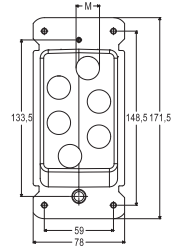
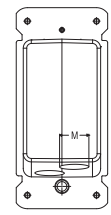
size **77.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods with 4 pegs, multiple side or top entries, with gasket, with integrated special self-centring floating frame	MBO 16.225DG	MBV 16.620DG	M20 × 6 M25 × 2	
	To be used only with a complete cable gland				 MBV 16.620DG  MBO 16.225DG
	! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.				

BIG

E

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CSHT	16 A	16 + ☉ B.67	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CQE / CQEY	16 A	32 + ☉ B.74,84	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		
CQEE	16 A	40 + ☉ B.78					
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104					

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

size **104.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK

BUREAU
VERITAS

(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods with 4 pegs, multiple side or top entries, without gasket, with integrated special self-centring floating frame		MBV 24.40D MBV 24.240D	M40 M40 × 2	
	CQC, DNV, BV and cURus pending only for MBVO 24.440D		MBVO 24.440D	M40 × 4	
	To be used only with a complete cable gland				
	! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.				
					 MBV 24.240D
					 MBVO 24.440D

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

BIG series – Multiple cable entries

Hoods with integrated special self-centring floating frame

size **104.27**Heavy-Duty
Applications

EN 60529	IP66 / IP67 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	
- with standard inserts	≥ 500
- with HNM inserts	≥ 10 000

CE UK



(pending: CQC)



ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods with 4 pegs, multiple side or top entries, with gasket, with integrated special self-centring floating frame		MBV 24.40DG MBV 24.240DG	M40 M40 × 2	
	CQC, DNV, BV and cURus pending only for MBVO24.440DG	Side and Top entries	MBVO24.440DG	M40 × 4	
	To be used only with a complete cable gland				
	! CAUTION: Due to the absence of locking means, the IP66 / IP67 / IP69 achievable degree of protection is demanded to the end-use application: 1) Suitable pressure, in order to uniformly compress the sealing gasket and keep the connector coupling tight is required: this condition is satisfied when the self-centring guide pins and contact tubes reach their end-of-run and are kept constantly in this position; 2) Suitably rated cable entry devices (e.g. cable glands) are required to maintain the desired IP degree of protection. Protection against undue opening under load (connectors without breaking capacity) and closing under voltage is demanded to the end-use application, e.g. by suitable detection of such conditions.				

MBV 24.40DG

MBV 24.240DG

MBVO24.440DG

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CSHT	16 A	24 + ☉ B.68	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CQE / CQEY	16 A	46 + ☉ B.75,85					
CQEE	16 A	64 + ☉ B.79					
CD	10 A	64 + ☉ B.91					
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Panel cut-out drawings

For BIG series hoods with integrated special self-centring floating frame

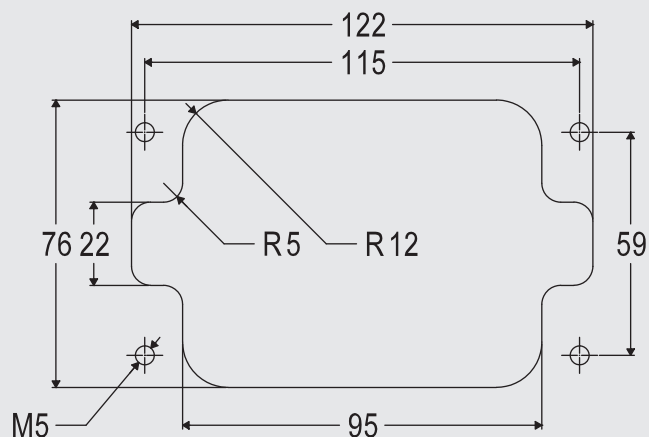
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

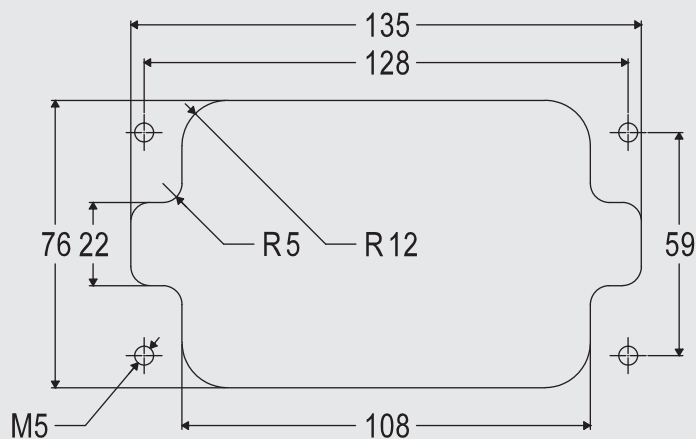
Scale 1:2

Size 44.27



Required screws: 4
Screws size: M5
Recommended torque:
 2,0 – 2,5 Nm / 17.7 – 22.1 lb.in

Size 57.27



Required screws: 4
Screws size: M5
Recommended torque:
 2,0 – 2,5 Nm / 17.7 – 22.1 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For BIG series hoods with integrated special self-centring floating frame

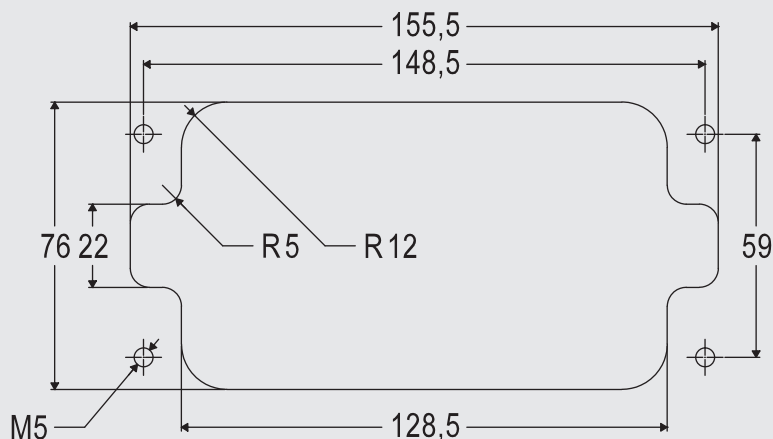
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

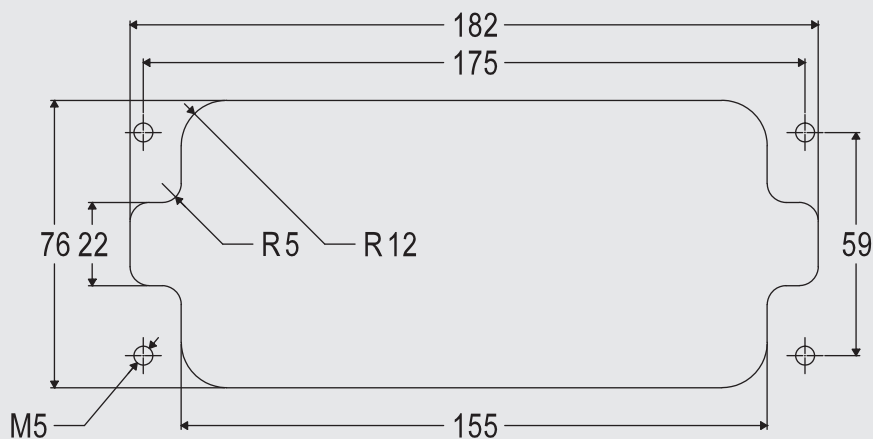
Scale 1:2

Size 77.27



Required screws: 4
Screws size: M5
Recommended torque:
 2,0 – 2,5 Nm / 17.7 – 22.1 lb.in

Size 104.27



Required screws: 4
Screws size: M5
Recommended torque:
 2,0 – 2,5 Nm / 17.7 – 22.1 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).



COB series

Functionality counts



COB

E

COB System

The COB system of panel supports makes it possible to use multipole connectors within electric panels without the traditional metallic enclosures as protection is assured by the electric panel itself or other container.

WARNING

Connectors must not be connected and disconnected under load or when live.

The COB system satisfies the most varied installation needs thanks to the interchangeability of the connector inserts. The inserts can be installed as per Table 1. at page E.285.

In addition, the **COB...BC** supports may house the ILME **CR..AD1** and **CR..AD2** series plates for the D-SUB inserts (miniature-connectors).

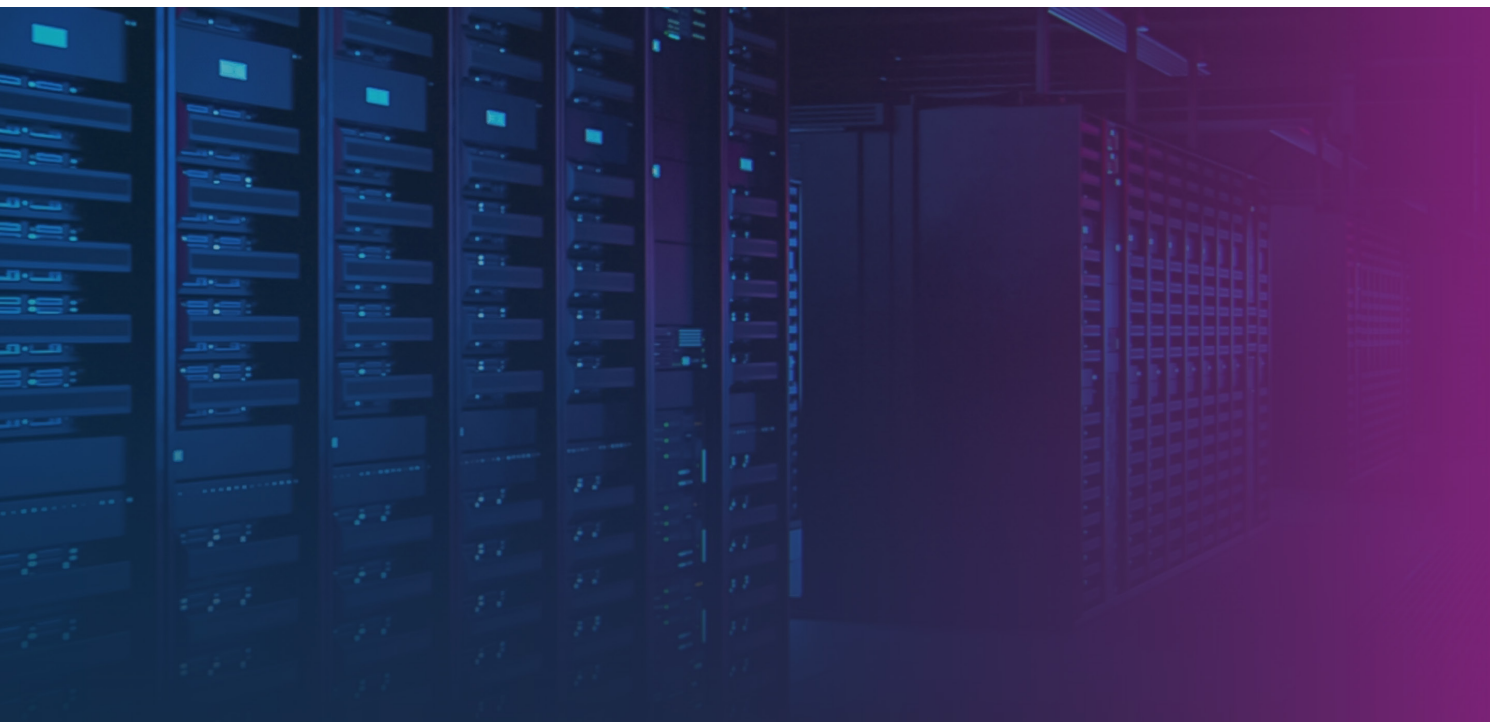
The COB system is approved by **UL** as support for multipole connectors (UL ECBT2 and ECBT8 file E115072), as well as by **DNV** and **Bureau Veritas** maritime applications on board ships.

SUM-UP

- > Reduction in cost and space with respect to metallic enclosures plus traditional terminal blocks enabling “modular” wiring inside panels, very handy in case of maintenance: fast replacement of devices and entire sections leading to shorter downtime.
- > Possibility of pre-wiring and testing of the connectors at bench, fastening the commissioning of the installation on site.
- > Easy wiring inspection and tests with coupled connectors, thanks to rear access to the inserts by the overturning (connector hinged and locked on the base support).
- > Fast mounting in panels thanks to the snap fastening device on the DIN EN 60715 rails.
- > Sturdy support structure, specific to the size of each insert, it does not require any preparation.
- > Broad passage for housing of conductor cables.
- > Mobile parts prearranged for the clamping of bundles of conductors of multi-core cables, to prevent contact with the connector contacts.



Watch our clip



Functional characteristics

- > The system may be assembled on panels with window snap fastening device; on DIN EN 60715 rails, both lengthways and crossways to the support; on fixed panels using screws.
- > Reduction in cost and space with respect to metallic enclosures and traditional terminal boards.
- > Possibility of rewiring at the connector bench with connected devices.
- > Easy wiring inspection and tests with coupled connectors, thanks to rear access to the inserts via the turnover device.
- > Fast mounting in panels thanks to the snap fastening device on the DIN EN 60715 rails.
- > Sturdy support structure, specific to the size of each insert and does not require any preparation.
- > Broad passage for housing of conductor cables.
- > Mobile parts prearranged for the clamping of bundles of conductors of multipolar cables to prevent contact with the connector contacts.
- > IP20 degree of protection.

Material characteristics

- > Self-extinguishing thermoplastic insulating materials, UL certified (COB supports, locking levers, hoods), compatible with the -40 °C / +125 °C operating temperature range of connector inserts.

❖ Markings and Approvals

- CE and UK markings, EAC not applicable
- IP20
- RoHS: compliant



COB series

Functionality counts

PRODUCTS DETAILS

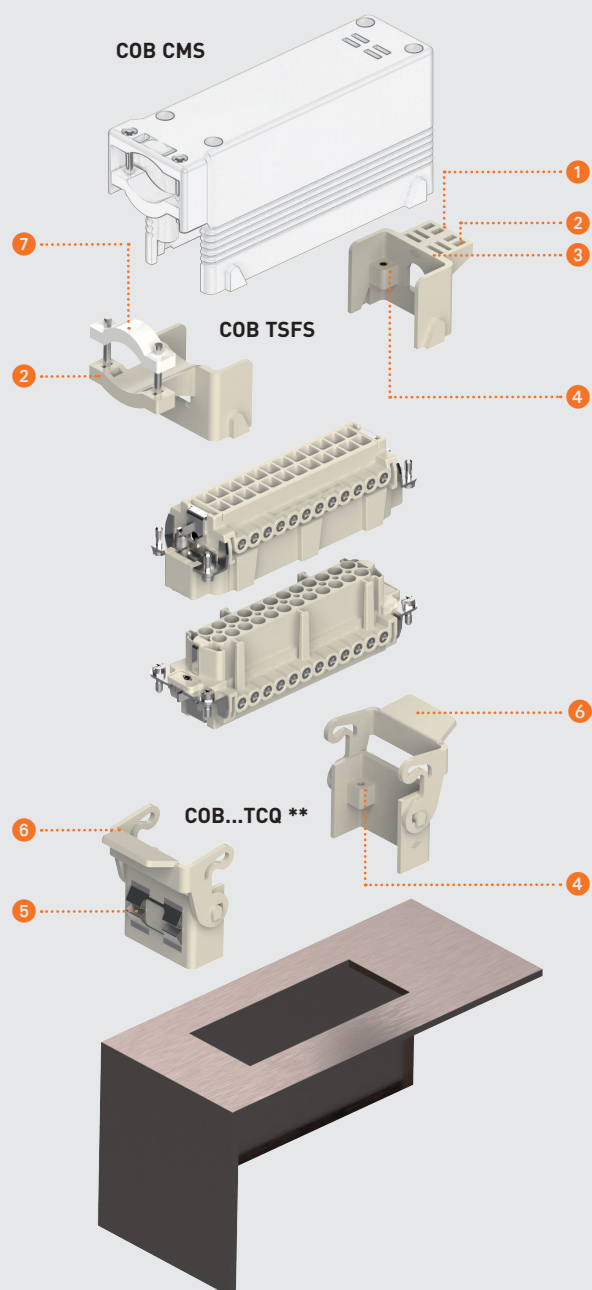


Figure 1
COB TCQ + COB TSFS
(COB CMS, alternative)

- Snap fastening in ** window, panels or control panels.

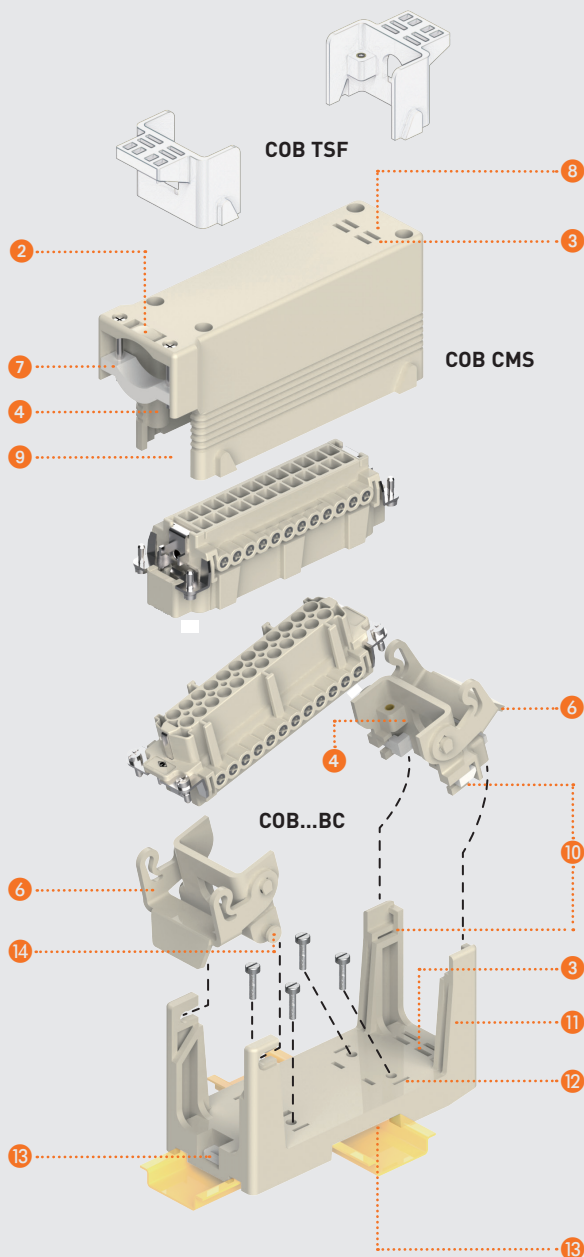


Figure 2
COB..BC + COB..CMS
(COB TSF, alternative)

- Snap fastening on DIN EN 60715 rails both lengthways and crossways to the support
- Installation in panels or control panels, with fixed fastening with screws.

The **COB** system may be assembled in the three following ways:

- > **On panels** with window snap fastening device (**Figure 1**).
- > **On DIN EN 60715 rails**, both lengthways and crossways to the support (**Figure 2**).
- > **On fixed panels** using screws (**Figure 2**).

- 1 **COB, TSF** or **COB TSFS** insert support blocks (with cable clamp) for mobile mounting, in self-extinguishing thermoplastic material.
- 2 Passage for cable support bands (from 2,2 to 4,8 mm).
- 3 Locations for insertion of identification tags (size 9 x 20 mm).
- 4 Threaded metallic inserts for screws to fix the connectors and possibility of coded connection with the use of specific pins (ILME part: CR 20, CRM, CRF, CR 20 CX, CRM CX and CRF CX) when identical connectors are used.
- 5 **COB TCQ** insert carrier block for window mounting in self-extinguishing thermoplastic material, with spring snap fastening.
- 6 Locking device with levers in self-extinguishing thermoplastic material for insert coupling.
- 7 Sturdy cable clamp for clamping multipolar cables with a diameter of up to 25 mm or bundles of unipolar conductors.
- 8 **COB CMS** enclosure for mobile mounting, in self-extinguishing thermoplastic material, IP20 degree of protection.
- 9 Free passage for mounting wired insert with conductor cables.
- 10 Releasable block (latch actuated by pushbutton) [in **COB..BC** kit] in self-extinguishing thermoplastic material, with quick release device for insert turnover, wiring operations, verifications and maintenance
- 11 **COB..BC** panel support for bulkhead mounting in self-extinguishing thermoplastic material, sturdy block support structure, with broad passage for housing of conductor cables.
- 12 Holes for fixed fastening with screws without DIN EN 60715 rails.
- 13 Snap fastening on DIN EN 60715 rails, both lengthways and crossways to the support.
- 14 Rollover pins that can be released and allow the use of pre-wired inserts.

Table 1

Supports for connector inserts

types	COB TCQ			
fixed	COB 06 BC	COB 10 BC	COB 16 BC	COB 24 BC
types	COB TSF and COB TSFS			
mobile	COB 06 CMS	COB 10 CMS	COB 16 CMS	COB 24 CMS

Insert size

			49.16*	
			66.16*	
	44.27	57.27	77.27	104.27

Insert series and polarity + ⊕

CX		8/24	4/0, 4/2, 12/2, 9/42, 6/12, 6/36	8/0, 6/6, 4/8
CXC				
CP – CPY			6	
CQE – CQEY	10	18	32	46
CQEE				
CNE – CCE	6	10	16	24
CSH – JSH..S				
CSHT		10	16	24
CDA – CDC			10*, 16*	
CSAH				
CMCE		3 + 2	6 + 2	10 + 2
CMSH				
CD – CDY	24	40	15*, 25*, 64	
CDD		42	38*, 72	108
CDSH	9	18	27	42
CDSH NC	6			
MIXO	2 slots	3 slots	4 slots	6 slots

* for mounting via adapter plates, see page E.290.

COB series – System for switch cabinet

Panel supports for multipole connectors

size **44.27 – 104.27**

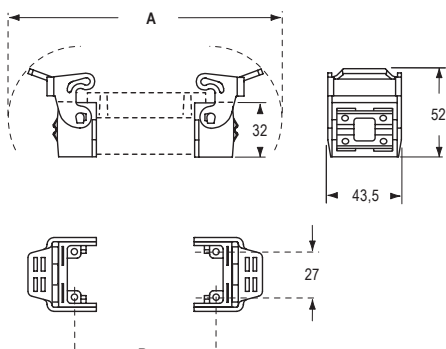
Specialized
Applications



EN 60529	IP20
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

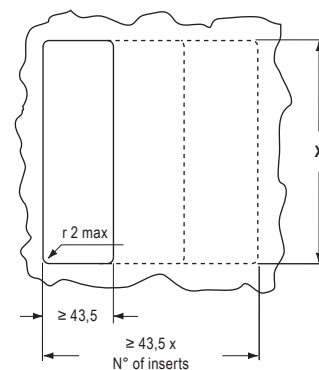


CALUS® ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Connector carrier for faceplate mounting in window, snap fastening - kit with 2 elements, for coupling of inserts with screw fixing centre distance (short side = 27 mm) Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.	COB TCQ	

Inserts size	A	B
44.27	120	44
57.27	133	57
77.27	153,5	77,5
104.27	180	104

Panel cut-out **COB TCQ**
window size on plate thickness 1,3-3 mm



Inserts coupling size	X _{±0,5}
44.27	44
57.27	57
77.27	77,5
104.27	104

Inserts size 44.27 – 104.27	Poles	Pages	Inserts size 44.27 – 104.27	Poles	Pages
CNE 16 A	6 to 24 + ⊕	B.38-41	CSS 16 A	6 to 24 + ⊕	B.118-121
CCE 16 A	6 to 24 + ⊕	B.44-47			
CSH / JSH S 16 A	6 to 24 + ⊕	B.52-55,58-61	CMCE / CMSH 16 A	3 + 2 (aux.), 6 + 2 (aux.), 10 + 2 (aux.) + ⊕	B.144-146, 149-151
CSHT 16 A	10 to 24 + ⊕	B.66-68			
CQE / CQEY 16 A	10 to 46 + ⊕	B.72-75,82-85	CX / CXC combined inserts		B.156-171
CQEE 16 A	40 to 64 + ⊕	B.78-79			
CD 10 A	40 to 64 + ⊕	B.90-91			
CDD 10 A	24 to 108 + ⊕	B.94-97			
CDSH / CDSH NC 10 A	9 to 42 + ⊕	B.102-105,108			
CP / CPY 35 A	6 + ⊕	B.112,114			

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX T (2 to 6-slot sized MIXO frames)	C.95

Accessories:



CR .. BPE
PE jumpers
Page E.292



COB L
Levers
Page E.292

COB series – System for switch cabinet

Panel supports for multipole connectors

size **44.27 – 104.27**

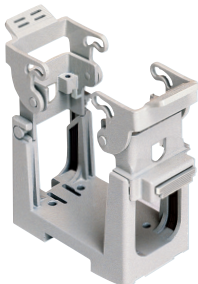
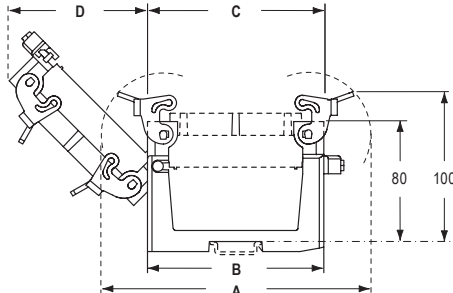
Specialized
Applications



EN 60529	IP20
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



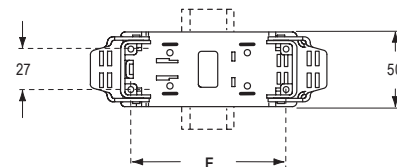
ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Inserts size	Part No.	Dimension
	Connector carrier baseplate for mounting on DIN EN 60715 rail or fixed mounting using screws	44.27	COB 06 BC	
		57.27	COB 10 BC	
		77.27	COB 16 BC	
		104.27	COB 24 BC	

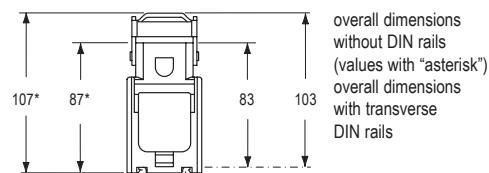
- kit comprising frame and mobile blocks, for insert coupling

Note:

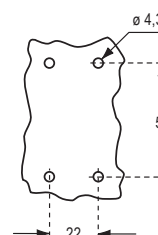
It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.



Part No.	A	B	C	D	E
44.27	120	91,5	58	50	44
57.27	133	91,5	71	59,5	57
77.27	153,5	91,5	91,5	74	77,5
104.27	180	118	118	93	104



Panel cut-out **COB BC**



Inserts size 44.27 – 104.27	Poles	Pages
CNE 16 A	6 to 24 + ⊕	B.38-41
CCE 16 A	6 to 24 + ⊕	B.44-47
CSH / JSH S 16 A	6 to 24 + ⊕	B.52-55,58-61
CSHT 16 A	10 to 24 + ⊕	B.66-68
CQE / CQEY 16 A	10 to 46 + ⊕	B.72-75,82-85
CQEE 16 A	40 to 64 + ⊕	B.78-79
CD 10 A	40 to 64 + ⊕	B.90-91
CDD 10 A	24 to 108 + ⊕	B.94-97
CDSH / CDSH NC 10 A	9 to 42 + ⊕	B.102-105,108
CP / CPY 35 A	6 + ⊕	B.112,114

Inserts size 44.27 – 104.27	Poles	Pages
CSS 16 A	6 to 24 + ⊕	B.118-121
CMCE / CMSH 16 A	3 + 2 (aux.), 6 + 2 (aux.), 10 + 2 (aux.) + ⊕	B.144-146, 149-151
CX / CXC	combined inserts	B.156-171
MIXO Modular Inserts		Pages
MIXO modules		C.12-93
CX T (2 to 6-slot sized MIXO frames)		C.95

Accessories:



CR .. BPE
PE jumpers
Page E.292



COB L
Levers
Page E.292

COB series – System for switch cabinet

Panel supports for multipole connectors

size **44.27 – 104.27**

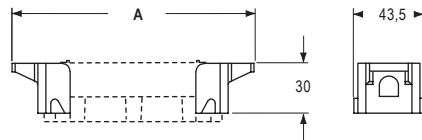
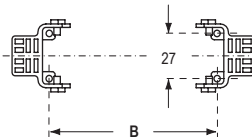
Specialized
Applications



EN 60529	IP20
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



CAUS® ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension															
	Insert carrier blocks for mobile mounting with handle for cable support bands - kit with 2 elements, for coupling of inserts with screw fixing centre distance (short side = 27 mm) Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit Ⓢ between the two halves of the connector.	COB TSF		 															
<table><tr><th>Inserts size</th><th>A</th><th>B</th></tr><tr><td>44.27</td><td>90</td><td>44</td></tr><tr><td>57.27</td><td>103</td><td>57</td></tr><tr><td>77.27</td><td>123,5</td><td>77,5</td></tr><tr><td>104.27</td><td>150</td><td>104</td></tr></table>					Inserts size	A	B	44.27	90	44	57.27	103	57	77.27	123,5	77,5	104.27	150	104
Inserts size	A	B																	
44.27	90	44																	
57.27	103	57																	
77.27	123,5	77,5																	
104.27	150	104																	

Insert carrier blocks for mobile mounting with handle for cable support or cable clamp bands

- kit with 2 elements, for coupling of inserts with screw fixing centre distance (short side = 27 mm)

Note:

It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.

COB TSFS

Inserts size	A	B
44.27	104	44
57.27	117	57
77.27	137,5	77,5
104.27	164	104

Inserts size 44.27 – 104.27	Poles	Pages	Inserts size 44.27 – 104.27	Poles	Pages
CNE 16 A	6 to 24 + ⊕	B.38-41	CSS 16 A	6 to 24 + ⊕	B.118-121
CCE 16 A	6 to 24 + ⊕	B.44-47		3 + 2 (aux.),	B.144-146,
CSH / JSH S 16 A	6 to 24 + ⊕	B.52-55,58-61	CMCE / CMSH 16 A	6 + 2 (aux.),	149-151
CSHT 16 A	10 to 24 + ⊕	B.66-68		10 + 2 (aux.) + ⊕	
CQE / CQEY 16 A	10 to 46 + ⊕	B.72-75,82-85	CX / CXC	combined inserts	B.156-171
CQEE 16 A	40 to 64 + ⊕	B.78-79			
CD 10 A	40 to 64 + ⊕	B.90-91			
CDD 10 A	24 to 108 + ⊕	B.94-97			
CDSH / CDSH NC 10 A	9 to 42 + ⊕	B.102-105,108			
CP / CPY 35 A	6 + ⊕	B.112,114			
			MIXO Modular Inserts		
			MIXO modules		C.12-93
			CX T (2 to 6-slot sized MIXO frames)		C.95

Accessories:

CR .. BPE
PE jumpers
Page E.292

COB series – System for switch cabinet

Panel supports for multipole connectors

size **44.27 – 104.27**

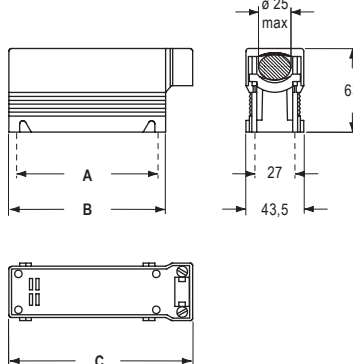
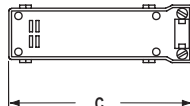
Specialized
Applications



EN 60529	IP20
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Inserts size	Part No.	Dimension																				
	Insert carrier insulated enclosures for mobile mounting, side entry, with cable clamp for insert coupling	44.27	COB 06 CMS																					
		57.27	COB 10 CMS																					
		77.27	COB 16 CMS																					
		104.27	COB 24 CMS																					
		Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.																						
																								
<table><tr><th>Part No.</th><th>A</th><th>B</th><th>C</th></tr><tr><td>COB 06 CMS</td><td>44</td><td>58</td><td>74</td></tr><tr><td>COB 10 CMS</td><td>57</td><td>71</td><td>87</td></tr><tr><td>COB 16 CMS</td><td>77,5</td><td>91,5</td><td>107,5</td></tr><tr><td>COB 24 CMS</td><td>104</td><td>118</td><td>134</td></tr></table>					Part No.	A	B	C	COB 06 CMS	44	58	74	COB 10 CMS	57	71	87	COB 16 CMS	77,5	91,5	107,5	COB 24 CMS	104	118	134
Part No.	A	B	C																					
COB 06 CMS	44	58	74																					
COB 10 CMS	57	71	87																					
COB 16 CMS	77,5	91,5	107,5																					
COB 24 CMS	104	118	134																					

Inserts size 44.27 – 104.27		Poles	Pages	Inserts size 44.27 – 104.27		Poles	Pages
CNE	16 A	6 to 24 + ⊕	B.38-41	CSS	16 A	6 to 24 + ⊕	B.118-121
CCE	16 A	6 to 24 + ⊕	B.44-47	CMCE / CMSH	16 A	3 + 2 (aux.),	B.144-146, 149-151
CSH / JSH S	16 A	6 to 24 + ⊕	B.52-55,58-61			6 + 2 (aux.),	
CSHT	16 A	10 to 24 + ⊕	B.66-68			10 + 2 (aux.) + ⊕	
CQE / CQEY	16 A	10 to 46 + ⊕	B.72-75,82-85				
CQEE	16 A	40 to 64 + ⊕	B.78-79	CX / CXC	combined inserts		B.156-171
CD	10 A	40 to 64 + ⊕	B.90-91				
CDD	10 A	24 to 108 + ⊕	B.94-97				
CDSH / CDSH NC	10 A	9 to 42 + ⊕	B.102-105,108				
CP / CPY	35 A	6 + ⊕	B.112,114	MIXO Modular Inserts		Pages	
				MIXO modules		C.12-93	
				CX T (2 to 6-slot sized MIXO frames)		C.95	

Accessories:



CR .. BPE
PE jumpers
Page E.292



COB series – System for switch cabinet

Panel supports for multipole connectors

size **49.16** and **66.16**

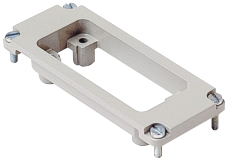
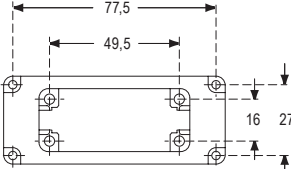
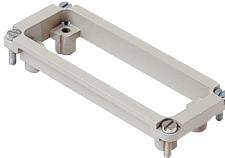
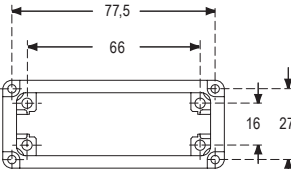
Specialized
Applications



EN 60529	IP20
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Adapter plates for insert mounting size 49.16 Allows the mounting of inserts size 49.16 on the following COB series articles: COB TCQ, COB 16 BC, COB TSF, COB TSFS, COB 16 CMS Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.	CR 15/16	
	Adapter plates for insert mounting size 66.16 Allows the mounting of inserts size 66.16 on the following COB series articles: COB TCQ, COB 16 BC, COB TSF, COB TSFS, COB 16 CMS Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.	CR 25/16	

COB
E

Inserts size 49.16			Poles	Pages	Inserts size 66.16			Poles	Pages
CDA	16 A	10 + ⊕	B.16		CDA	16 A	16 + ⊕	B.17	
CDC	16 A	10 + ⊕	B.19		CDC	16 A	16 + ⊕	B.20	
CSAH	16 A	10 + ⊕	B.24		CSAH	16 A	16 + ⊕	B.25	
CD	10 A	15 + ⊕	B.30		CD	10 A	25 + ⊕	B.31	
					CDD	10 A	38 + ⊕	B.33	

COB series – System for switch cabinet

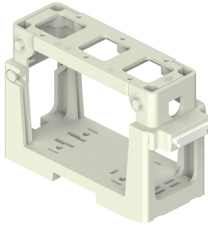
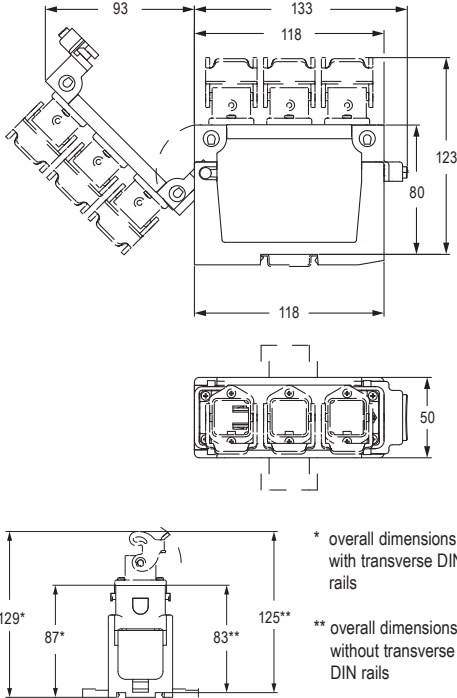
Panel supports for multipole connectors

size **21.21**Specialized
Applications

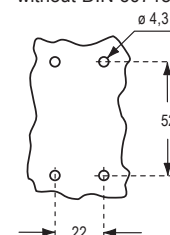
EN 60529	IP20
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500



ALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Connector carrier baseplate for mounting on DIN EN 60715 rail or fixed mounting using screws, for inserts coupling with inserts size 21.21 - kit comprising frame and mobile blocks, for insert coupling Allows the mounting of up to 3 × 21.21 sized connector inserts, each one installed in relevant housings (either insulating type CK or metal type CKA with the preferred choice of locking lever, to be purchased separately) and fixed to the adapter plate by two self-tapping screws (6 in total, not provided). Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit ⊕ between the two halves of the connector.	COB 03/3 BC	 * overall dimensions with transverse DIN rails ** overall dimensions without transverse DIN rails

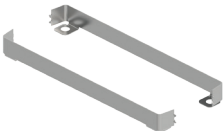
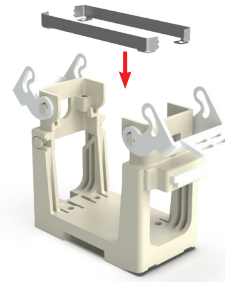
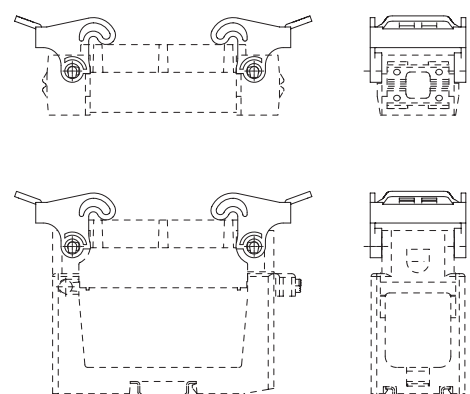
Panel cut-out **COB 03/3 BC** for direct fixed mounting without DIN 60715 rails

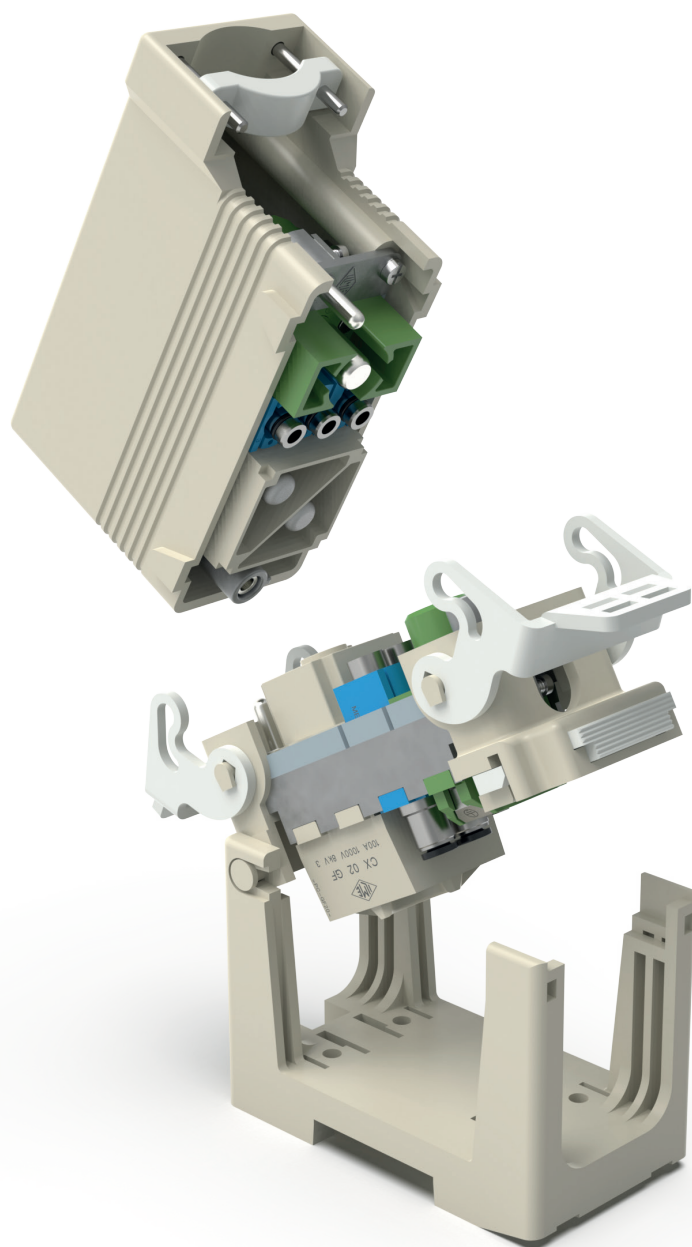


COB series

Accessories

size **44.27 – 104.27**Specialized
Applications

Item	Description	Insert size	Part No.	Dimension
	PE jumpers in galvanized brass, to be optionally used with COB enclosures series CR...BPE accessories PE jumpers could be mounted under the connector inserts to guarantee proper PE connection. The jumpers are not usable individually. It is necessary to use <u>both</u> supplied jumpers (in the same housing or hood) in order to ensure the proper inserts alignment. Note: It is the responsibility of the installer to verify the continuity of the PE protective earth circuit Ⓢ between the two halves of the connector.	44.27	CR 06 BPE	
		57.27	CR 10 BPE	
		77.27	CR 16 BPE	
		104.27	CR 24 BPE	
	levers for coupling with metallic enclosures - kit with 2 elements, to be mounted instead of the standard levers to be coupled with: COB TCQ and COB...BC Allows the mounting of aluminium hoods with 4 pegs, size 57.27, 77.27 and 104.27	COB L		





LS-TYPE

On Stage



LS-TYPE

E

LS-TYPE Enclosures

The LS-TYPE enclosures are the ideal solution for the entertainment industry (lighting system power supply and related mixer and dimmer panels), including theatre stages, film sets, radio and TV studios, discos, trade fair booths, concert halls and night public events, indoors and outdoors.

All parts are in elegant RAL 9005 black, suitable for situations and locations where they should not be visible in the dark.

SUM-UP

- > Made of die cast aluminium alloy, powder-coated, jet black RAL 9005.
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel resistant vinyl nitrile elastomer.
- > JEP-P locking device in self-extinguishing thermoplastic material.
- > Ambient temperature range: -40 °C / +125 °C.

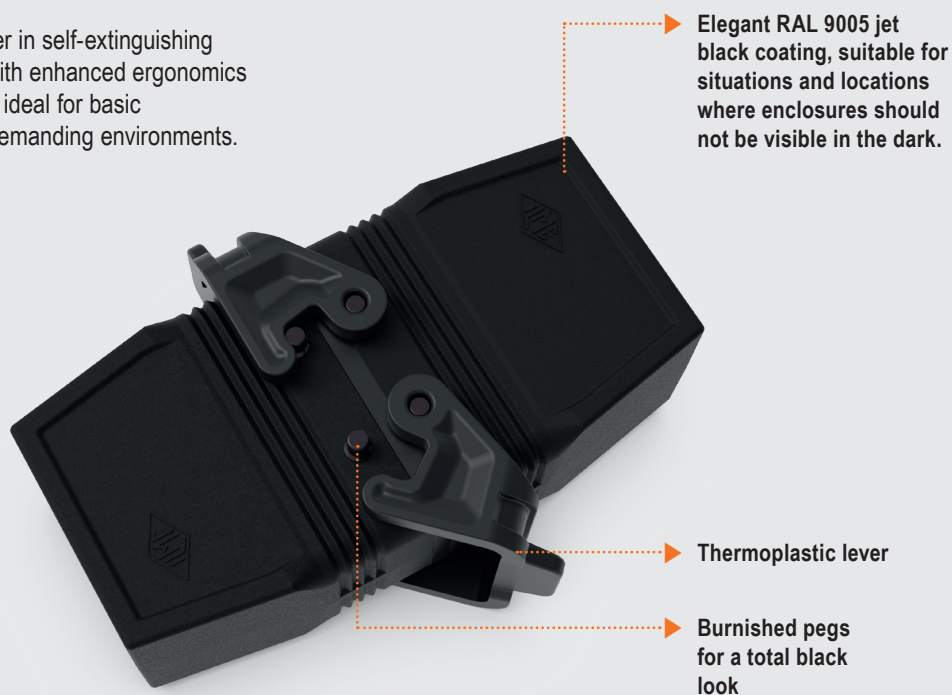
≡ Markings and Approvals

- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 degree of protection
- RoHS: compliant

FOCUS

Locking lever in self-extinguishing thermoplastic material

Single-block locking lever in self-extinguishing thermoplastic material with enhanced ergonomics and reduced dimension, ideal for basic requirements and less demanding environments.



LS-TYPE series – Light and Sound

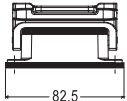
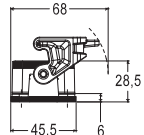
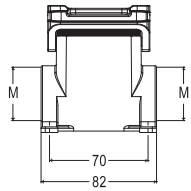
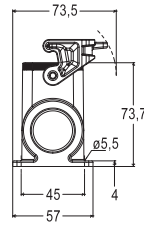
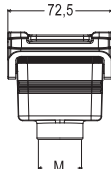
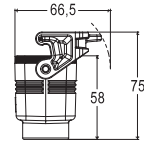
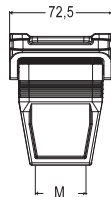
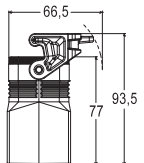
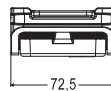
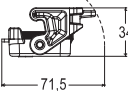
Housings, hoods and covers – 1 lever – with gasket

size **44.27**Specialized
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 1 lever and gasket	CHIN 06 L		 
	Surface mounting housings, 1 lever and gasket, high construction	MAPN 06 L32	M32	 
	Hoods, 1 lever and gasket, top entry	MHVN 06 LG25	M25	 
	Hoods, 1 lever and gasket, top entry, high construction To be used only with a complete cable gland	MFVN 06 LG25	M25	 
	Covers, 1 lever and gasket For enclosures with 2 pegs without gasket with loop for hoods 	CHCN 06 LG		 

Inserts size 44.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	6 + ⊕	B.38	MIXO modules	C.12-93
CCE 16 A	6 + ⊕	B.44	CX 02 T (2-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	6 + ⊕		
CQE / CQEY	16 A	10 + ⊕		
CDD 10 A	24 + ⊕	B.94		
CDSH / CDSH NC	10 A	9 and 6 + ⊕		
CSS 16 A	6 + ⊕	B.118		
CT / CTSE*	16 A	6 + ⊕		

*can be used only in bulkhead mounting housings

LS-TYPE series – Light and Sound

Housings, hoods and covers – 2 pegs – without gasket

size **44.27**Specialized
Applications

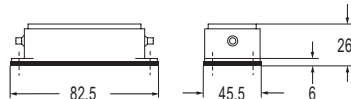
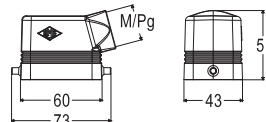
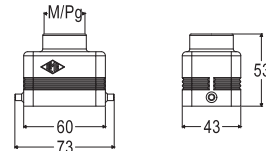
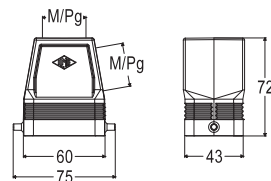
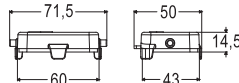
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 pegs, without gasket	CHIN 06 LCH		
	Hoods, side entry, 2 pegs, without gasket	Side entry MHON 06 L25	M25	
	Hoods, top entry, 2 pegs, without gasket	Top entry MHVN 06 L25	M25	
	Hoods, side or top entry, 2 pegs, high construction, without gasket To be used only with a complete cable gland	Side entry MFON 06 L25	Top entry MFVN 06 L25	M25 
	Covers, 2 pegs, without gasket For enclosures with 1 lever and gasket with eyelet for housings 	CHCN 06 L		

Inserts size 44.27	Poles	Pages
CNE	16 A 6 + ⊕	B.38
CCE	16 A 6 + ⊕	B.44
CSH / JSH S	16 A 6 + ⊕	B.52,58
CQE / CQEY	16 A 10 + ⊕	B.72,82
CDD	10 A 24 + ⊕	B.94
CDSH / CDSH NC	10 A 9 and 6 + ⊕	B.102,108
CSS	16 A 6 + ⊕	B.118
CT / CTSE*	16 A 6 + ⊕	B.126,130

*can be used only in bulkhead mounting housings

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 02 T (2-slot sized MIXO frames)	C.95

dimensions shown in mm are not binding and may be changed without notice

LS-TYPE series – Light and Sound

Housings, hoods and covers – 2 levers – with gasket

size **57.27**Specialized
Applications

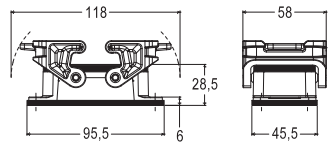
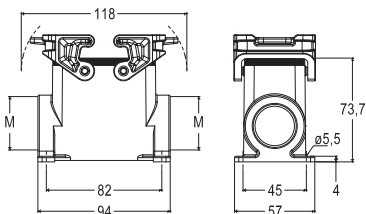
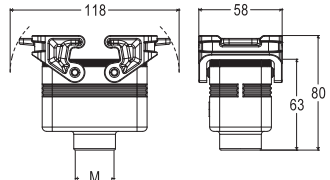
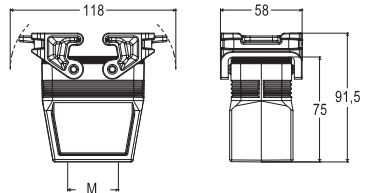
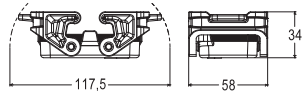
EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500

CE UK



CFLUS

ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIN 10		
	Surface mounting housings, 2 levers and gasket, high construction	MAPN 10.32	M32	
	Hoods, 2 levers and gasket, top entry	MHVN 10 G25	M25	
	Hoods, 2 levers and gasket, top entry, high construction To be used only with a complete cable gland	MFVN 10 G220 MFVN 10 G32	M20 x 2 M32	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHCN 10 G		

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts		Pages
			MIXO modules		C.12-93
			CX 03 T (3-slot sized MIXO frames)		C.95

LS-TYPE series – Light and Sound

Housings, hoods and covers – 4 pegs – without gasket

size **57.27**Specialized
Applications

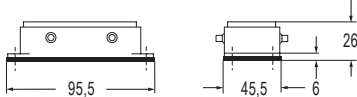
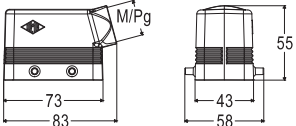
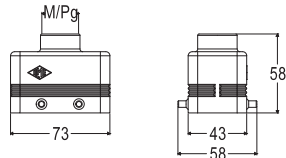
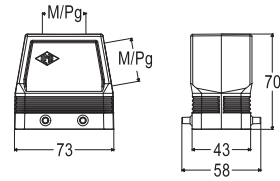
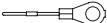
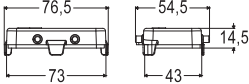
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 4 pegs, without gasket	CHIN 10 CH		
	Hoods, side entry, 4 pegs, without gasket	Side entry MHON 10.25	M25	
	Hoods, top entry, 4 pegs, without gasket	Top entry MHVN 10.25	M25	
	Hoods, side or top entry, 4 pegs, high construction, without gasket To be used only with a complete cable gland	Side entry MFON 10.32 Top entry MFVN 10.32	M32	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with eyelet for housings 	CHCN 10		

Inserts size 57.27	Poles	Pages	Inserts size 57.27	Poles	Pages
CNE	16 A	10 + ☉ B.39	CT / CTSE*	16 A	10 + ☉ B.127,131
CCE	16 A	10 + ☉ B.45	CMCE / CMSH	16 A	3 + 2 (aux.) + ☉ B.144,149
CSH / JSH S	16 A	10 + ☉ B.53,59	CX	40 A/10 A	8/24 + ☉ B.170-171
CSHT	16 A	10 + ☉ B.66	*can be used only in bulkhead mounting housings		
CQE / CQEY	16 A	18 + ☉ B.73,83			
CDD	10 A	42 + ☉ B.95			
CDSH	10 A	18 + ☉ B.103			
CSS	16 A	10 + ☉ B.119			
			MIXO Modular Inserts	Pages	
			MIXO modules	C.12-93	
			CX 03 T (3-slot sized MIXO frames)	C.95	

LS-TYPE series – Light and Sound

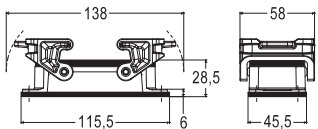
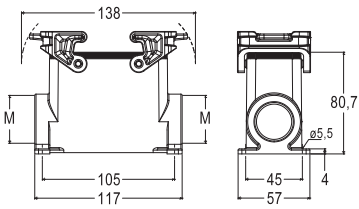
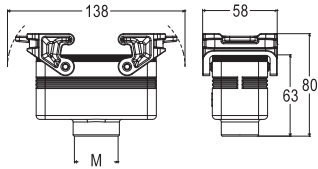
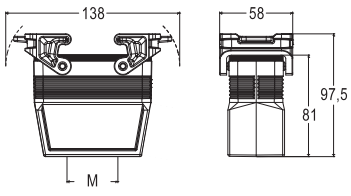
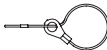
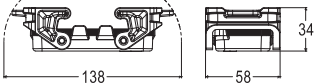
Housings, hoods and covers – 2 levers – with gasket

size **77.27**Specialized
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIN 16		
	Surface mounting housings, 2 levers and gasket, high construction	MAPN 16.32	M32	
	Hoods, 2 levers and gasket, top entry	MHVN 16 G32	M32	
	Hoods, 2 levers and gasket, top entry, high construction To be used only with a complete cable gland	MFVN 16 G225 MFVN 16 G32	M25 x 2 M32	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHCN 16 G		

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	16 + ⊕	B.40	CP / CPY 35 A	6 + ⊕	B.112,114	MIXO modules	C.12-93
CCE 16 A	16 + ⊕	B.46	CSS 16 A	16 + ⊕	B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	16 + ⊕	B.54,60	CT / CTSE* 16 A	16 + ⊕	B.128,132		
CSHT 16 A	16 + ⊕	B.67	CT / CTS* 10 A	40 + ⊕	B.138,140		
CQE / CQEY 16 A	32 + ⊕	B.74,84	CMCE / CMSH 16 A	6 + 2 (aux.) + ⊕	B.145,150		
CQEE 16 A	40 + ⊕	B.78	CX / CXC 80 A/16 A	4/0, 4/2 + ⊕	B.158-160		
CD 10 A	40 + ⊕	B.90	CX 40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ⊕	B.163-164, 168-169		
CDD 10 A	72 + ⊕	B.94					
CDSH 10 A	27 + ⊕	B.104					

*can be used only in bulkhead mounting housings

LS-TYPE series – Light and Sound

Housings, hoods and covers – 4 pegs – without gasket

size **77.27**Specialized
Applications

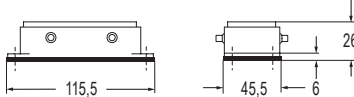
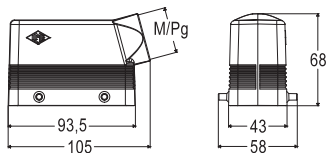
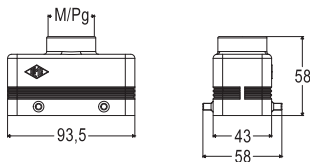
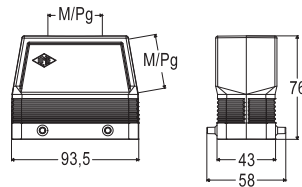
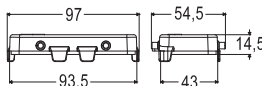
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 4 pegs, without gasket	CHIN 16 CH		
	Hoods, side entry, 4 pegs, without gasket	Side entry MHON 16.32	M32	
	Hoods, top entry, 4 pegs, without gasket	Top entry MHVN 16.32	M32	
	Hoods, side or top entry, 4 pegs, high construction, without gasket To be used only with a complete cable gland	Side entry MFON 16.32 Top entry MFVN 16.32	M32	
	Covers, 4 pegs, without gasket For enclosures with 2 levers and gasket with eyelet for housings 	CHCN 16		

Inserts size 77.27	Poles	Pages	Inserts size 77.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	16 + ☉ B.40	CP / CPY	35 A	6 + ☉ B.112,114	MIXO modules	C.12-93
CCE	16 A	16 + ☉ B.46	CSS	16 A	16 + ☉ B.120	CX 04 T (4-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	16 + ☉ B.54,60	CT / CTSE*	16 A	16 + ☉ B.128,132		
CSHT	16 A	16 + ☉ B.67	CT / CTS*	10 A	40 + ☉ B.138,140		
CQE / CQEY	16 A	32 + ☉ B.74,84	CMCE / CMSH	16 A	6 + 2 (aux.) + ☉ B.145,150		
CQEE	16 A	40 + ☉ B.78	CX / CXC	80 A/16 A	4/0, 4/2 + ☉ B.158-160		
CD	10 A	40 + ☉ B.90					
CDD	10 A	72 + ☉ B.94					
CDSH	10 A	27 + ☉ B.104	CX	40 A/10 A	6/12, 6/36, 9/42 and 12/2 + ☉ B.163-164, 168-169		

*can be used only in bulkhead mounting housings

dimensions shown in mm are not binding and may be changed without notice

LS-TYPE series – Light and Sound

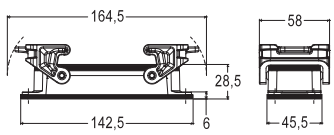
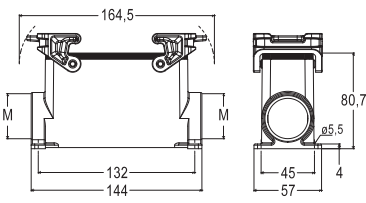
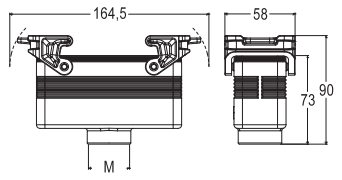
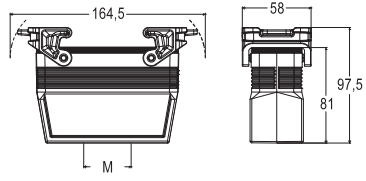
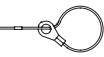
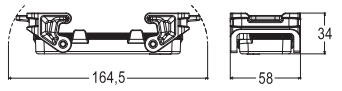
Housings, hoods and covers – 2 levers – with gasket

size **104.27**Specialized
Applications

EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 2 levers and gasket	CHIN 24		
	Surface mounting housings, 2 levers and gasket, high construction	MAPN 24.32	M32	
	Hoods, 2 levers and gasket, top entry	MHVN 24 G32	M32	
	Hoods, 2 levers and gasket, top entry, high construction To be used only with a complete cable gland	MFVN 24 G32 MFVN 24 G232	M32 M32 x 2	
	Covers, 2 levers and gasket For enclosures with 4 pegs without gasket with loop for hoods 	CHCN 24 G		

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE 16 A	24 + ⊕	B.41	CSS 16 A	24 + ⊕	B.121	MIXO modules	C.12-93
CCE 16 A	24 + ⊕	B.47	CT / CTSE* 16 A	24 + ⊕	B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S 16 A	24 + ⊕	B.55,61	CT / CTS* 10 A	64 + ⊕	B.139,141		
CSHT 16 A	24 + ⊕	B.68	CMCE / CMSH 16 A	10 + 2 (aux.) + ⊕	B.146,151		
CQE / CQEY 16 A	46 + ⊕	B.75,85	CX 100 A/16 A	8/0 and 6/6 + ⊕	B.156-157		
CQEE 16 A	64 + ⊕	B.79	CX / CXC 80 A/16 A	4/8 + ⊕	B.161-162		
CD 10 A	64 + ⊕	B.91	*can be used only in bulkhead mounting housings				
CDD 10 A	108 + ⊕	B.97					
CDSH 10 A	42 + ⊕	B.105					

LS-TYPE series – Light and Sound

Housings, hoods and covers – 4 pegs – without gasket

size **104.27**Specialized
Applications

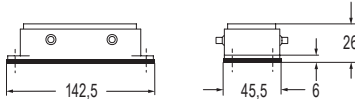
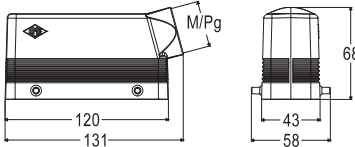
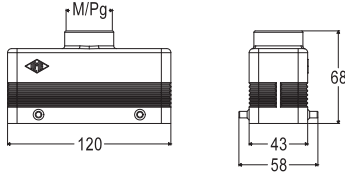
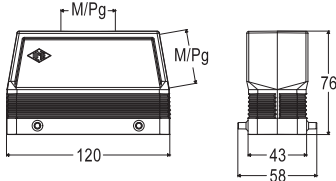
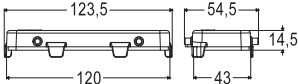
CE UK



EN 60529	IP65
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +90 °C
Mechanical life (cycles)	≥ 500



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Entry	Dimension
	Bulkhead mounting housings, 4 pegs, without gasket	CHIN 24 CH		
	Hoods, side entry, 4 pegs, without gasket	Side entry MHON 24.32	M32	
	Hoods, top entry, 4 pegs, without gasket	Top entry MHVN 24.32	M32	
	Hoods, side or top entry, 4 pegs, high construction, without gasket To be used only with a complete cable gland	Side entry MFON 24.32 Top entry MFVN 24.32	M32	
	Covers, 4 pegs, without gasket	CHCN 24		
	For enclosures with 2 levers and gasket with eyelet for housings 			

Inserts size 104.27	Poles	Pages	Inserts size 104.27	Poles	Pages	MIXO Modular Inserts	Pages
CNE	16 A	24 + ☉ B.41	CSS	16 A	24 + ☉ B.121	MIXO modules	C.12-93
CCE	16 A	24 + ☉ B.47	CT / CTSE*	16 A	24 + ☉ B.129,133	CX 06 T (6-slot sized MIXO frames)	C.95
CSH / JSH S	16 A	24 + ☉ B.55,61	CT / CTS*	10 A	64 + ☉ B.139,141		
CSHT	16 A	24 + ☉ B.68	CMCE / CMSH	16 A	10 + 2 (aux.) + ☉ B.146,151		
CQE / CQEY	16 A	46 + ☉ B.75,85	CX	100 A/16 A	8/0 and 6/6 + ☉ B.156-157		
CQEE	16 A	64 + ☉ B.79	CX / CXC	80 A/16 A	4/8 + ☉ B.161-162		
CD	10 A	64 + ☉ B.91	*can be used only in bulkhead mounting housings				
CDD	10 A	108 + ☉ B.97					
CDSH	10 A	42 + ☉ B.105					

Panel cut-out drawings

For LS-TYPE series bulkhead mounting housings

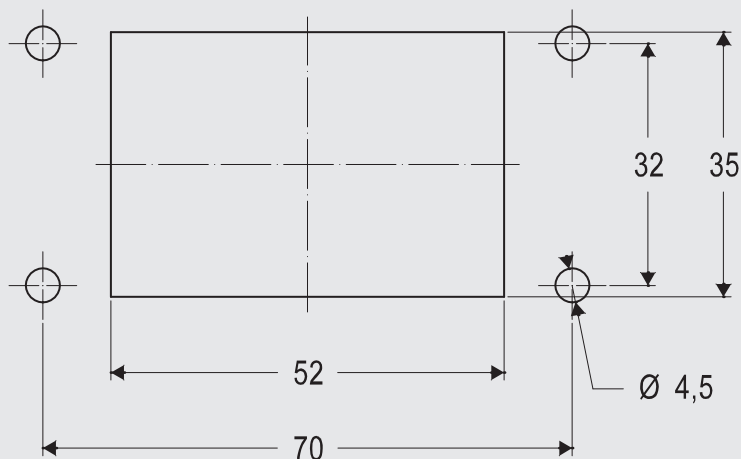
To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2 \text{ mm}$ over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16 \text{ }\mu\text{m}$

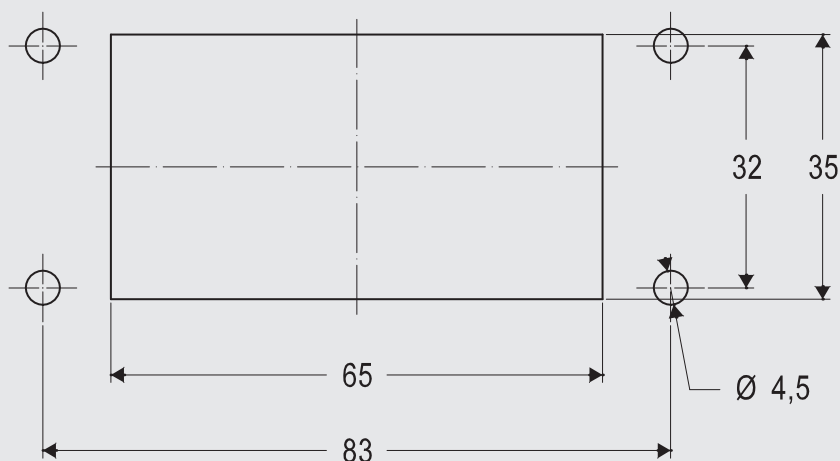
Scale 1:1

Size 44.27



Required screws: 4
Screws size: M4
Recommended size:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 57.27



Required screws: 4
Screws size: M4
Recommended size:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).

Panel cut-out drawings

For LS-TYPE series bulkhead mounting housings

To guarantee the declared IP degree of protection of the housings reported in this catalogue, according to EN IEC 60529 or to the relevant Type rating per ANSI/UL 50 and 50E (for those products bearing approval to those ratings), the surface of the mounting panel must meet the following requirements (definitions are provided in ISO 4287 standard):

Waviness $W_t \leq 0,2$ mm over a distance of 200 mm
(measured on the panel without load)

Roughness $R_a \leq 16$ μm

Scale 1:1

Size 77.27



Required screws: 4
Screws size: M4
Recommended size:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Size 104.27



Required screws: 4
Screws size: M4
Recommended size:
0,8 – 1,2 Nm / 7.1 – 10.6 lb.in

Notes: The values of tightening torque indicated above are just recommended values, that must be related – by the designer of the final application – to the resistance class of the screws (not included), with the assumption that the mounting panel is sufficiently rigid (stiff). If the deflection of the panel, under the effect of tightening the screws, is greater than 0,7 mm over a distance of 100 mm, it is

necessary to use the counter-flanges mentioned in our catalogue or the special flange gaskets available upon request (please contact our Sales Department).