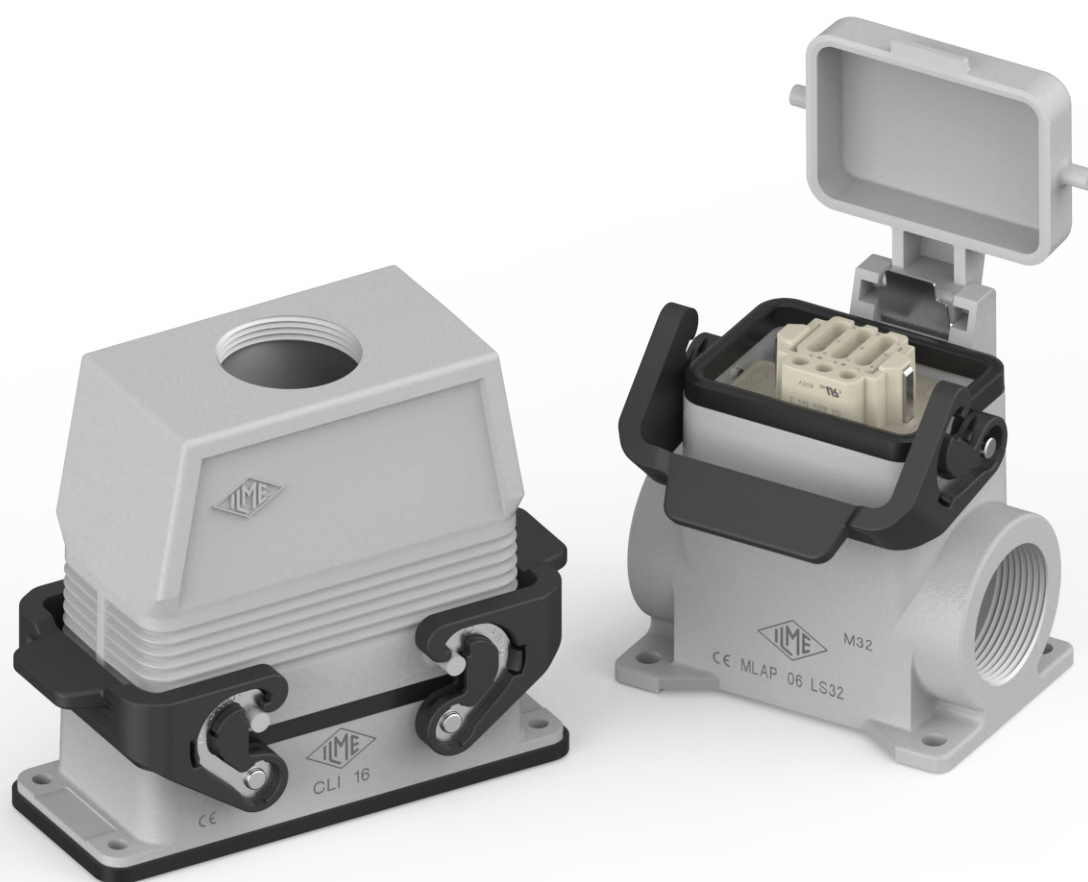


IL-BRID LOCKING LEVERS For standard size enclosures

CL – ML



**Proprietary design
with embedded stainless steel core
to protect industrial multipole
connections**



Find out more
www.ilme.com

TECHNICAL FEATURES



Watch our
technical clip

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.

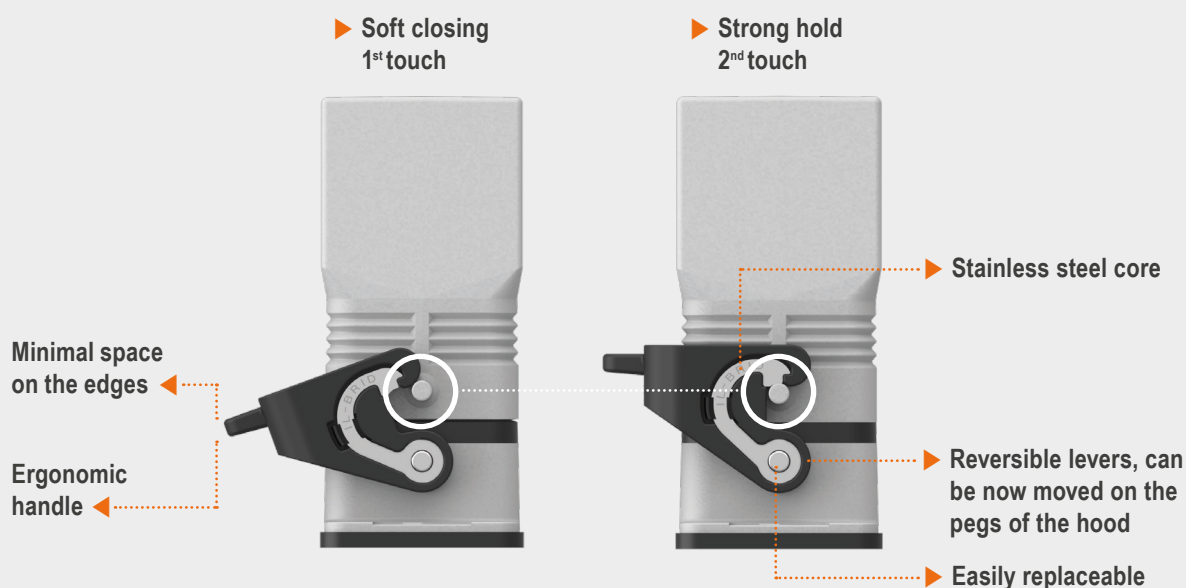
The **IL-BRID locking lever**, already introduced in the compact "CZ" and "MZ" size "49.16" and "66.16" enclosures series, is **now extended** to the whole ILME enclosures range for standard industrial applications, with the designation "**CL**" and "**ML**" in the bulkhead/surface mount housing or hood with lever versions, sizes "44.27", "57.27", "77.27" and "104.27".

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

The series, with standard metric M cable entries where foreseen, is also available, upon request, **with Pg or NPT cable entries** (surface housing or hood with levers).

Main technical and functional characteristics:

- Q **locking lever** made of self-extinguishing thermoplastic material (UL approved) and stainless-steel core;
- Q **improved closing mechanism** with reduced wear on the pegs of the enclosure's counterpart;
- Q **proprietary, ergonomic handles design** for an easy opening and closing operation;
- Q **IP65 or IP66/IP69** degree of protection according to EN 60529 (depending on model);
- Q **reduced occupation** of space on the outer edges thanks to a curved design;
- Q **reversibility of the lever** in the bulkhead housing versions (the locking levers can be mounted on the counterpart hood).



CL – ML Standard version with IL-BRID levers

inserts

CDD	24 poles + ⊕	76
CDS	9 poles + ⊕	-
CDSH	9 poles + ⊕	86
CDSH NC	6 poles + ⊕	95
CNE	6 poles + ⊕	110
CSE	6 poles + ⊕	-
CSH	6 poles + ⊕	110
CSH S	6 poles + ⊕	122
CCE	6 poles + ⊕	130
CSS	6 poles + ⊕	148
CT, CTSE (16A)*	6 poles + ⊕	160
CQE	10 poles + ⊕	168
MIXO	2 modules	262 - 317

* can be used only in bulkhead mounting housings

refer to CN.19 pages

page:

bulkhead mounting housings
with single lever

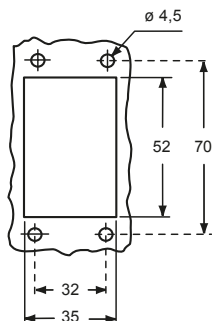
FROM SEPTEMBER 2022

surface mounting housings
with single lever

FROM SEPTEMBER 2022

description	part No.	part No.	entry M
with lever	CLI 06 L		
with lever and cover	CLI 06 LS		
with lever		MLP 06 L20	20
with lever		MLP 06 L220	20 x 2
with lever, high construction		MLAP 06 L25	25
with lever, high construction		MLAP 06 L225	25 x 2
with lever, high construction		MLAP 06 L32	32
with lever, high construction		MLAP 06 L232	32 x 2
with lever, high construction		MLAP 06 L40	40
with lever, high construction		MLAP 06 L240	40 x 2
with lever and cover		MLP 06 LS20	20
with lever and cover		MLP 06 LS220	20 x 2
with lever and cover, high construction		MLAP 06 LS32	32
with lever and cover, high construction		MLAP 06LS232	32 x 2
with lever and cover, high construction		MLAP 06 LS40	40
with lever and cover, high construction		MLAP 06LS240	40 x 2

panel cut-out for bulkhead mounting housings



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

cURus
Type 4/4X/12 pending
(except enclosures with plastic cover)

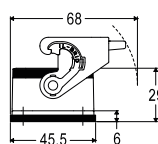
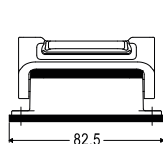


insulating cable gland or fittings
without gasket

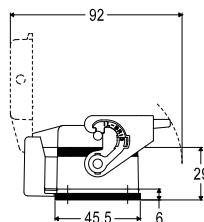
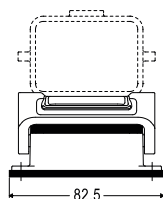


cable gland
with O-Ring gasket

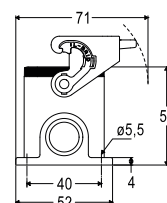
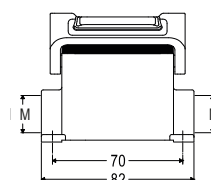
CLI 06 L ▲



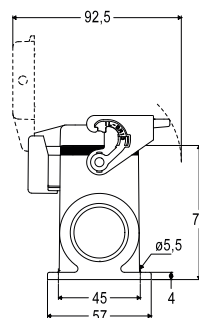
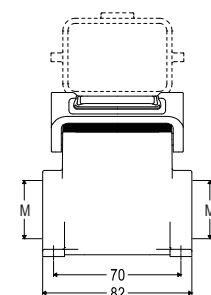
CLI 06 LS ●



MLP 06 L



MLAP 06 LS ●



ML – MLA Standard version with IL-BRID levers

inserts

CDD	24 poles + ⊕	76
CDS	9 poles + ⊕	-
CDSH	9 poles + ⊕	86
CDSH NC	6 poles + ⊕	95
CNE	6 poles + ⊕	110
CSE	6 poles + ⊕	-
CSH	6 poles + ⊕	110
CSH S	6 poles + ⊕	122
CCE	6 poles + ⊕	130
CSS	6 poles + ⊕	148
CQE	10 poles + ⊕	168
MIXO	2 modules	262 - 317

page:

hoods with 1 lever



hoods with 1 lever

M40 cable entry with 20 mm thread length



refer to CN.19 pages

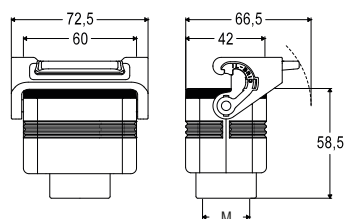
FROM SEPTEMBER 2022

FROM SEPTEMBER 2022

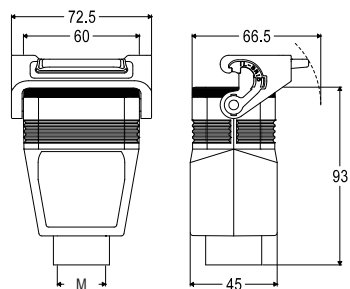
description	part No.	entry M	part No.	entry M
with lever, top entry	MLV 06 LG25	25		
with lever, top entry, high construction	MLAV 06 LG25	25		
with lever, top entry, high construction	MLAV 06 LG32	32		
with lever, side entry, high construction, without adapter ¹⁾			MLFO 06 LG40	40
with lever, top entry, high construction, without adapter ¹⁾	MLFV 06 LG25	25		
with lever, top entry, high construction, without adapter ¹⁾	MLFV 06 LG32	32		
with lever, top entry, high construction, without adapter ¹⁾	MLFV 06 LG40	40		

¹⁾ enclosure without adapter, threaded on the body, to be used only with a complete cable gland.

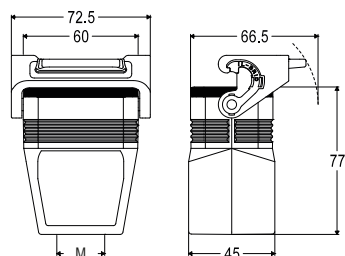
MLV 06 LG



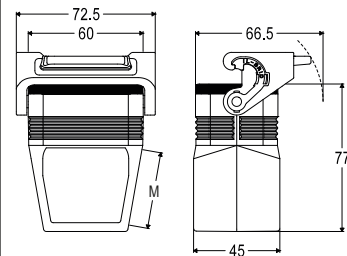
MLAV 06 LG



MLFV 06 LG



MLFO 06 LG



cURus
Type 4/4X/12 pending



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

CL – ML Standard version with IL-BRID levers

inserts

CDD	42 poles + ⊕	78
CDS	18 poles + ⊕	-
CDSH	18 poles + ⊕	87
CNE	10 poles + ⊕	111
CSE	10 poles + ⊕	-
CSH	10 poles + ⊕	111
CSH S	10 poles + ⊕	123
CCE	10 poles + ⊕	131
CMSH	3+2 (aux) poles + ⊕	136
CMCE	3+2 (aux) poles + ⊕	137
CSS	10 poles + ⊕	149
CT, CTSE (16A)*	10 poles + ⊕	161
CQE	18 poles + ⊕	169
CX	8/24 poles + ⊕	194
MIXO	3 modules	262 - 317

* can be used only in bulkhead mounting housing

refer to CN.19 pages

page:

bulkhead mounting housings
with 2 levers

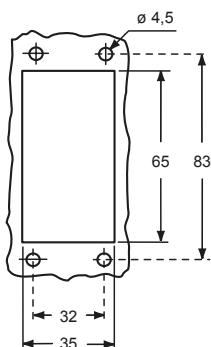
FROM SEPTEMBER 2022

surface mounting housings
with 2 levers

FROM SEPTEMBER 2022

description	part No.	entry M
with levers	CLI 10	
with levers	MLP 10.20	20
with levers	MLP 10.220	20 x 2
with levers, high construction	MLAP 10.25	25
with levers, high construction	MLAP 10.225	25 x 2
with levers, high construction	MLAP 10.32	32
with levers, high construction	MLAP 10.232	32 x 2
with levers, high construction	MLAP 10.40	40
with levers, high construction	MLAP 10.240	40 x 2

panel cut-out for bulkhead mounting housings



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

cURus
Type 4/4X/12 pending

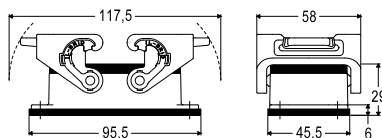


insulating cable gland or fittings
without gasket

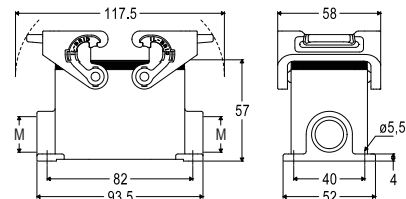


cable gland
with O-Ring gasket

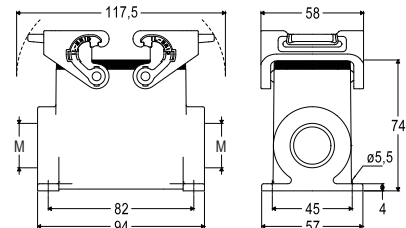
CLI 10 ▲



MLP 10.220



MLAP 10.225



ML – MLA Standard version with IL-BRID levers

inserts

CDD	42 poles + ⊕	78
CDS	18 poles + ⊕	-
CDSH	18 poles + ⊕	87
CNE	10 poles + ⊕	111
CSE	10 poles + ⊕	-
CSH	10 poles + ⊕	111
CSH S	10 poles + ⊕	123
CCE	10 poles + ⊕	131
CMSH	3+2 (aux) poles + ⊕	136
CMCE	3+2 (aux) poles + ⊕	137
CSS	10 poles + ⊕	149
CQE	18 poles + ⊕	169
CX	8/24 poles + ⊕	194
MIXO	3 modules	262 - 317

page:

hoods with 2 levers



hoods with 2 lever

M40 cable entry with 20 mm thread length



refer to CN.19 pages

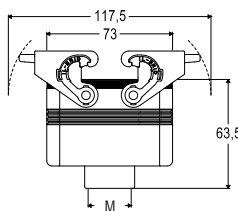
FROM SEPTEMBER 2022

FROM SEPTEMBER 2022

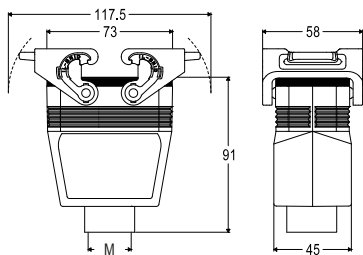
description	part No.	entry M	part No.	entry M
with levers, top entry	MLV 10 G25	25		
with levers, top entry, high construction	MLAV 10 G25	25		
with levers, top entry, high construction	MLAV 10 G32	32		
with levers, top entry, high construction	MLAV 10 G40	40		
with levers, side entry, high construction, without adapter ¹⁾			MLFO 10 G40	40
with levers, top entry, high construction, without adapter ¹⁾	MLFV 10 G25	25		
with levers, top entry, high construction, without adapter ¹⁾	MLFV 10 G32	32		
with levers, top entry, high construction, without adapter ¹⁾	MLFV 10 G40	40		

¹⁾ enclosure without adapter, threaded on the body,
to be used only with a complete cable gland.

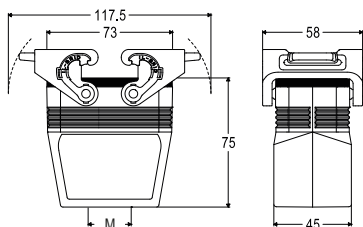
MLV 10 G



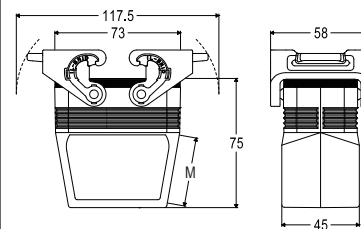
MLAV 10 G



MLFV 10 G



MLFO 10 G



cURus
Type 4/4X/12 pending



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

CL – ML Standard version with IL-BRID levers

inserts		page:
CD	40 poles + ⊕	70
CDD	72 poles + ⊕	79
CDS	27 poles + ⊕	-
CDSH	27 poles + ⊕	88
CNE	16 poles + ⊕	112
CSE	16 poles + ⊕	-
CSH	16 poles + ⊕	112
CSH S	16 poles + ⊕	124
CCE	16 poles + ⊕	132
CMSH, CMCE	6+2 (aux) poles + ⊕	138 - 139
CSS	16 poles + ⊕	150
CT, CTS (10A)*	40 poles + ⊕	156
CT, CTSE (16A)*	16 poles + ⊕	162
CQE	32 poles + ⊕	170
CQEE	40 poles + ⊕	176
CP	6 poles + ⊕	178
CX	6/12, 6/36 and 12/2 poles + ⊕	197 - 199
CX	4/0 and 4/2 poles + ⊕	200 - 201
MIXO	4 modules	262 - 317

* can be used only in bulkhead mounting housings

refer to CN.19 pages

bulkhead mounting housings
with 2 levers

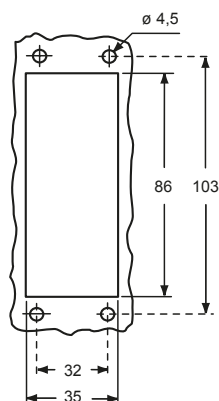
FROM SEPTEMBER 2022

surface mounting housings
with 2 levers

FROM SEPTEMBER 2022

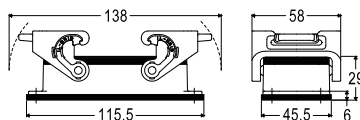
description	part No.	entry M
with levers	CLI 16	
with levers	MLP 16.25	25
with levers	MLP 16.225	25 x 2
with levers, high construction	MLAP 16.25	25
with levers, high construction	MLAP 16.225	25 x 2
with levers, high construction	MLAP 16.32	32
with levers, high construction	MLAP 16.232	32 x 2
with levers, high construction	MLAP 16.40	40
with levers, high construction	MLAP 16.240	40 x 2

panel cut-out for bulkhead mounting housings

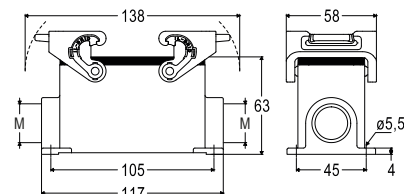


IMPORTANT NOTE: The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

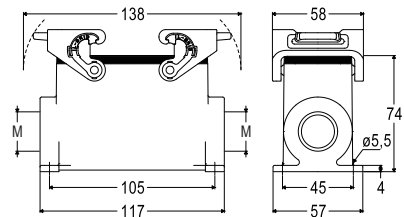
CLI 16 ▲



MLP 16



MLAP 16



cURus
Type 4/4X/12 pending



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

ML – MLA Standard version with IL-BRID levers

inserts

CD	40 poles + ⊕	70
CDD	72 poles + ⊕	79
CDS	27 poles + ⊕	-
CDSH	27 poles + ⊕	88
CNE	16 poles + ⊕	112
CSE	16 poles + ⊕	-
CSH	16 poles + ⊕	112
CSH S	16 poles + ⊕	124
CCE	16 poles + ⊕	132
CMSH, CMCE	6+2 (aux) poles + ⊕	138 - 139
CSS	16 poles + ⊕	150
CQE	32 poles + ⊕	170
CQEE	40 poles + ⊕	176
CP	6 poles + ⊕	178
CX	6/12, 6/36 and 12/2 poles + ⊕	197 - 199
CX	4/0 and 4/2 poles + ⊕	200 - 201
MIXO	4 modules	262 - 317

page:

hoods with 2 levers



FROM SEPTEMBER 2022

hoods with 2 lever

M40 cable entry with 20 mm thread length



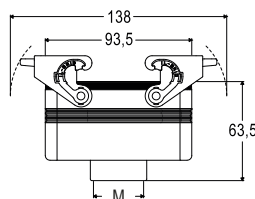
FROM SEPTEMBER 2022

refer to CN.19 pages

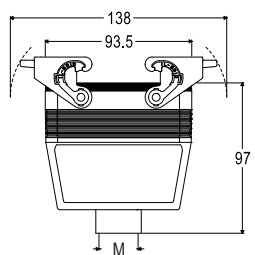
description	part No.	entry M	part No.	entry M
with levers, top entry	MLV 16 G32	32		
with levers, top entry, high construction	MLAV 16 G25	25		
with levers, top entry, high construction	MLAV 16 G32	32		
with levers, top entry, high construction	MLAV 16 G40	40		
with levers, side entry, high construction, without adapter ¹⁾			MLFO 16 G40	40
with levers, top entry, high construction, without adapter ¹⁾	MLFV 16 G25	25		
with levers, top entry, high construction, without adapter ¹⁾	MLFV 16 G32	32		
with levers, top entry, high construction, without adapter ¹⁾	MLFV 16 G40	40		

¹⁾ enclosure without adapter, threaded on the body, to be used only with a complete cable gland.

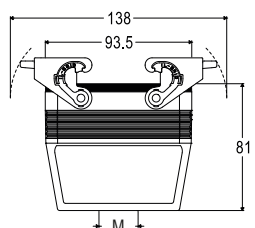
MLV 16 G



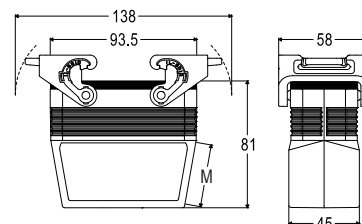
MLAV 16 G



MLFV 16 G



MLFO 16 G



cURus
Type 4/4X/12 pending



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

CL – ML Standard version with IL-BRID levers

inserts

CD	64 poles + ⊕	72
CDD	108 poles + ⊕	81
CDS	42 poles + ⊕	-
CDSH	42 poles + ⊕	89
CNE	24 poles + ⊕	113
CSE	24 poles + ⊕	-
CSH	24 poles + ⊕	113
CSH S	24 poles + ⊕	125
CCE	24 poles + ⊕	133
CMSH	10+2 (aux) poles + ⊕	140
CMCE	10+2 (aux) poles + ⊕	141
CSS	24 poles + ⊕	151
CT, CTS (10A)*	64 poles + ⊕	157
CT, CTSE (16A)*	24 poles + ⊕	163
CQE	46 poles + ⊕	171
CQEE	64 poles + ⊕	177
CX	4/8 and 6/6 poles + ⊕	204 and 206
MIXO	6 modules	262 - 317

* can be used only in bulkhead mounting housings

refer to CN.19 pages

page:

bulkhead mounting housings
with 2 levers

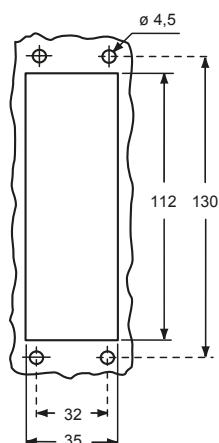
FROM SEPTEMBER 2022

surface mounting housings
with 2 levers

FROM SEPTEMBER 2022

description	part No.	entry M
with levers	CLI 24	
with levers	MLP 24.25	25
with levers	MLP 24.225	25 x 2
with levers, high construction	MLAP 24.25	25
with levers, high construction	MLAP 24.225	25 x 2
with levers, high construction	MLAP 24.32	32
with levers, high construction	MLAP 24.232	32 x 2
with levers, high construction	MLAP 24.40	40
with levers, high construction	MLAP 24.240	40 x 2

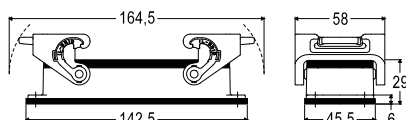
panel cut-out for bulkhead mounting housings



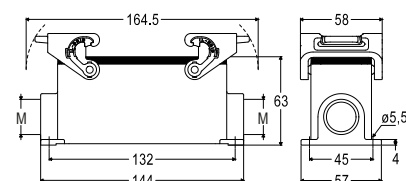
IMPORTANT NOTE: The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

cURus
Type 4/4X/12 pendinginsulating cable gland or fittings
without gasketcable gland
with O-Ring gasket

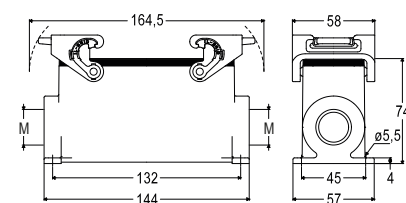
CLI 24 ▲



MLP 24



MLAP 24



ML – MLA Standard version with IL-BRID levers

inserts

page:

CD	64 poles + ⊕	72
CDD	108 poles + ⊕	81
CDS	42 poles + ⊕	-
CDSH	42 poles + ⊕	89
CNE	24 poles + ⊕	113
CSE	24 poles + ⊕	-
CSH	24 poles + ⊕	113
CSH S	24 poles + ⊕	125
CCE	24 poles + ⊕	133
CMSH	10+2 (aux) poles + ⊕	140
CMCE	10+2 (aux) poles + ⊕	141
CSS	24 poles + ⊕	151
CQE	46 poles + ⊕	171
CQEE	64 poles + ⊕	177
CX	4/8 and 6/6 poles + ⊕	204 and 206
MIXO	6 modules	262 - 317

refer to CN.19 pages

hoods with 2 levers



FROM SEPTEMBER 2022

hoods with 2 lever

M40 cable entry with 20 mm thread length

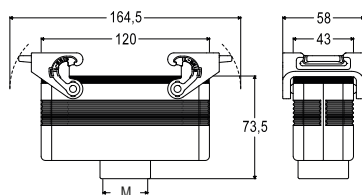


FROM SEPTEMBER 2022

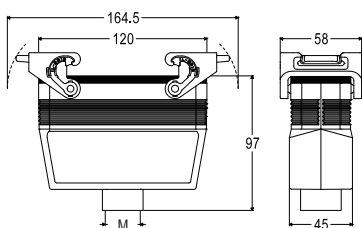
description	part No.	entry M	part No.	entry M
with levers, top entry	MLV 24 G32	32		
with levers, top entry, high construction	MLAV 24 G25	25		
with levers, top entry, high construction	MLAV 24 G32	32		
with levers, top entry, high construction	MLAV 24 G40	40		
with levers, side entry, high construction, without adapter ¹⁾			MLFO 24 G40	40
with levers, top entry, high construction, without adapter ¹⁾	MLFV 24 G25	25		
with levers, top entry, high construction, without adapter ¹⁾	MLFV 24 G32	32		
with levers, top entry, high construction, without adapter ¹⁾	MLFV 24 G40	40		

¹⁾ enclosure without adapter, threaded on the body,
to be used only with a complete cable gland.

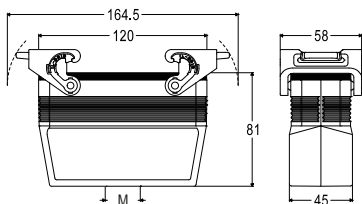
MLV 24 G



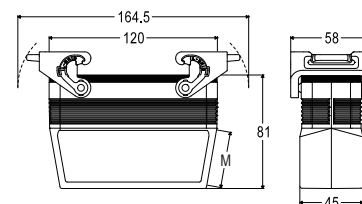
MLAV 24 G



MLFV 24 G



MLFO 24 G



cURus
Type 4/4X/12 pending



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

CZ - MZ IL-BRID standard version

inserts

CD	15 poles + ⊕
CDA	10 poles + ⊕
CSAH	10 poles + ⊕
CDC	10 poles + ⊕
MIXO	1 module

page:

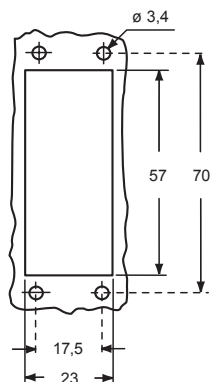
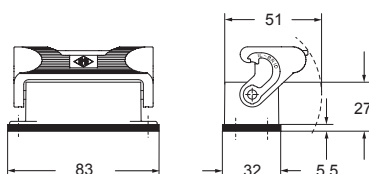
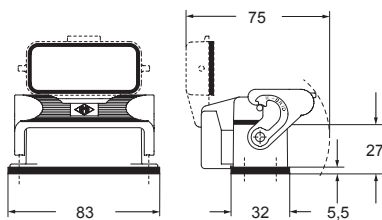
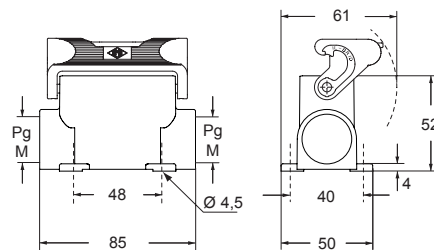
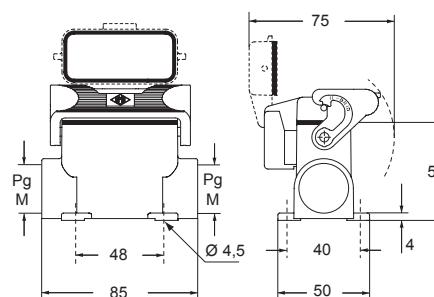
68
98
99
104
264 - 316

bulkhead mounting housings
with single leversurface mounting housings
with single lever

description	part No.	part No.	entry Pg	part No.	entry M
with single lever	CZI 15 L				
with single lever and cover	CZI 15 LS				
with single lever		CZP 15 L	16		
with single lever		CZP 15 L2	16 x 2		
with single lever		CZP 15 L21	21	MZP 15 L25	25
with single lever		CZP 15 L221	21 x 2	MZP 15 L225	25 x 2
with single lever and cover		CZP 15 LS	16		
with single lever and cover		CZP 15 LS2	16 x 2		
with single lever and cover		CZP 15 LS21	21	MZP 15 LS25	25
with single lever and cover		CZP 15 LS221	21 x 2	MZP 15 LS225	25 x 2

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

panel cut-out for bulkhead mounting housings

**CZI L ▲****CZI LS ●****CZP L and MZP L ▲****CZP LS and MZP LS ●**

CAUS Type 4/4X/12





CZ - MZ IL-BRID lever standard version SIMPLEX self-closing covers

inserts		page:
CD	15 poles + ⊕	68
CDA	10 poles + ⊕	98
CSAH	10 poles + ⊕	99
CDC	10 poles + ⊕	104
MIXO	1 module	264 - 316

bulkhead mounting housings
with single lever



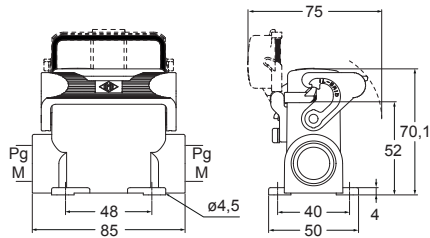
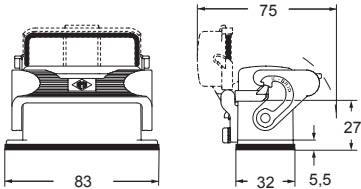
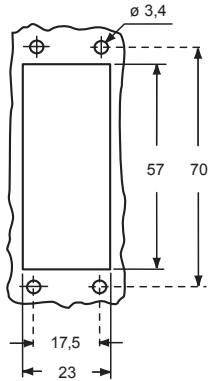
surface mounting housings
with single lever



description	part No.	part No.	entry Pg	part No.	entry M
with single lever and cover	CZI 15 LSP				
with lever and cover		CZP 15 LSP16	16	MZP 15 LSP20	20
with lever and cover		CZP 15 LSP21	21	MZP 15 LSP25	25

☑ The enclosures ensure IP65 degree of protection when mated and locked with the closing lever, or IP44 protection when not mated and locked with lever, thanks to the SIMPLEX self-closing cover.

panel cut-out for bulkhead mounting housings



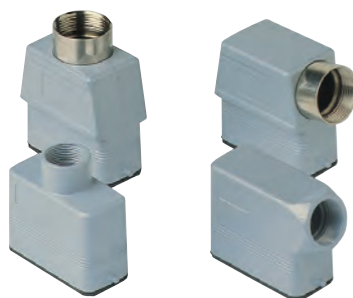
CZ - CZA - CZF and MZ - MZA - MZF IL-BRID standard version

inserts

CD	15 poles + ⊕	68
CDA	10 poles + ⊕	98
CSAH	10 poles + ⊕	99
CDC	10 poles + ⊕	104
MIXO	1 module	264 - 316

page:

hoods with 2 pegs

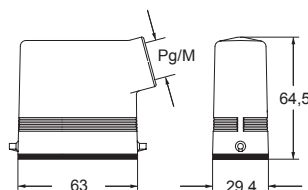
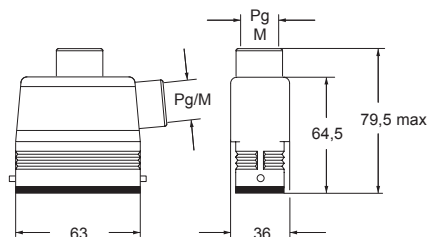
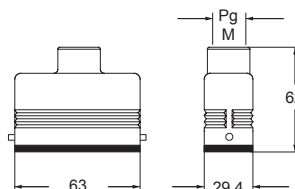
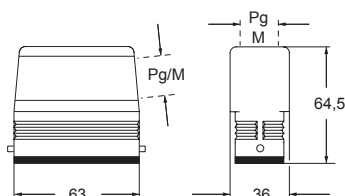
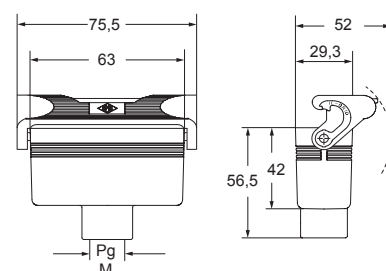


hoods with single lever



description	part No.	entry Pg	part No.	entry M	part No.	entry Pg	part No.	entry M
with pegs, side entry	CZO 15 L	16	MZO 15 L20	20				
with pegs, side entry			MZO 15 L25	25				
with pegs, side entry, high construction	CZAO 15 L16	16	MZAO 15 L20	20				
with pegs, side entry, high construction	CZAO 15 L21	21	MZAO 15 L25	25				
with pegs, top entry	CZV 15 L	13,5	MZV 15 L20	20				
with pegs, top entry, high construction	CZAV 15 L16	16	MZAV 15 L20	20				
with pegs, top entry, high construction	CZAV 15 L21	21	MZAV 15 L25	25				
with pegs, side entry, high construction, without adapter ¹⁾	CZFO 15 L16	16	MZFO 15 L20	20				
with pegs, side entry, high construction, without adapter ¹⁾	CZFO 15 L21	21	MZFO 15 L25	25				
with pegs, top entry, high construction, without adapter ¹⁾	CZFO 15 L16	16	MZFO 15 L20	20				
with pegs, top entry, high construction, without adapter ¹⁾	CZFO 15 L21	21	MZFO 15 L25	25				
with single lever, top entry			CZV 15 LG	13,5			MZV 15 LG20	20

¹⁾ enclosure without adapter, threaded on the body, to be used only with a complete cable gland.

CZO L and MZO L ▲**CZAO L - MZAO L and CZAV L - MZAV L ▲****CZV L and MZV L ▲****CZFO L - MZFO L and CZFV L - MZFV L ●****CZV LG and MZV LG ▲**

CALUS Type 4/4X/12



▲ insulating cable gland or fittings without gasket



▲ cable gland with O-Ring gasket



● cable gland with O-Ring gasket
IP67 if hoods with fused pegs and without adapters, coupled with IP67 housings



CZ IL-BRID standard version

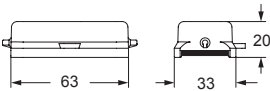
inserts		page:
CD	15 poles + ⊕	68
CDA	10 poles + ⊕	98
CSAH	10 poles + ⊕	99
CDC	10 poles + ⊕	104
MIXO	1 module	264 - 316

covers

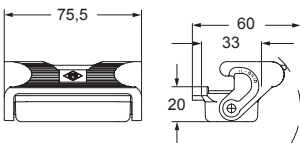


description	part No. (with eyelet)	part No. (with loop)
with pegs and gasket (for 1 lever enclosures)	CZC 15 L	CZC 15 SL
with lever (for enclosures with pegs)		CZC 15 LG

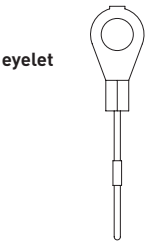
CZC L (SL) ●



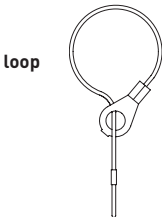
CZC LG ▲



For fixing on housings



For fixing on hoods



CALUS[®] Type 4/4X/12



● IP67 if coupled with CZ7 - MZ7 housings (see page 384)

CZ - CZA and MZA IL-BRID standard version

inserts

CD	25 poles + ⊕
CDD	38 poles + ⊕
CDA	16 poles + ⊕
CSAH	16 poles + ⊕
CDC	16 poles + ⊕

page:

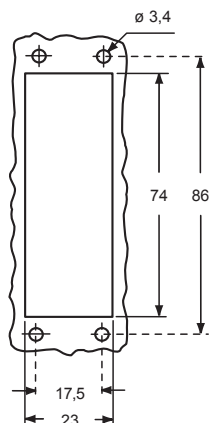
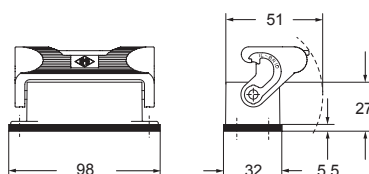
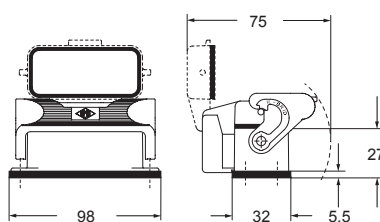
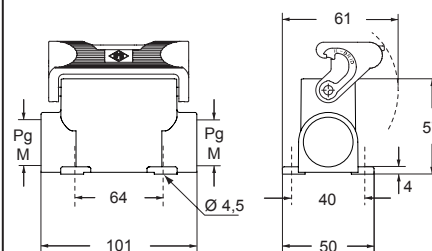
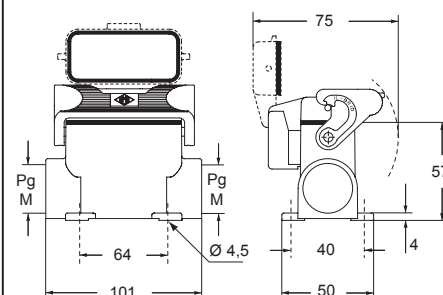
69
77
100
101
105

bulkhead mounting housings
with single leversurface mounting housings
with single lever

description	part No.	part No.	entry Pg	part No.	entry M
with single lever	CZI 25 L				
with single lever and cover	CZI 25 LS				
with single lever, high construction		CZAP 25 L	16		
with single lever, high construction		CZAP 25 L2	16 x 2		
with single lever, high construction		CZAP 25 L21	21	MZAP 25 L25	25
with single lever, high construction		CZAP 25 L221	21 x 2	MZAP 25 L225	25 x 2
with single lever and cover, high construction		CZAP 25 LS	16		
with single lever and cover, high construction		CZAP 25 LS2	16 x 2		
with single lever and cover, high construction		CZAP 25 LS21	21	MZAP 25 LS25	25
with single lever and cover, high construction		CZAP 25LS221	21 x 2	MZAP 25LS225	25 x 2

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

panel cut-out for bulkhead mounting housings

**CZI L ▲****CZI LS ●****CZAP L and MZAP L ▲****CZAP LS and MZAP LS ●**

CALUS Type
4/4X/12



● insulating cable gland or fittings
▲ without gasket



▲ cable gland with O-Ring gasket



CZ - CZA and MZA IL-BRID lever standard version SIMPLEX self-closing covers

inserts		page:
CD	25 poles + ⊕	69
CDD	38 poles + ⊕	77
CDA	16 poles + ⊕	100
CSAH	16 poles + ⊕	101
CDC	16 poles + ⊕	105

bulkhead mounting housings
with single lever



surface mounting housings
with single lever

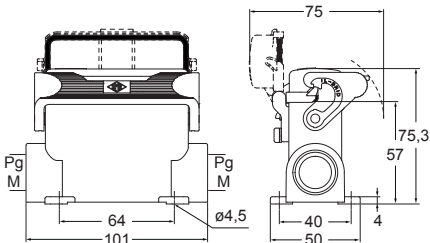
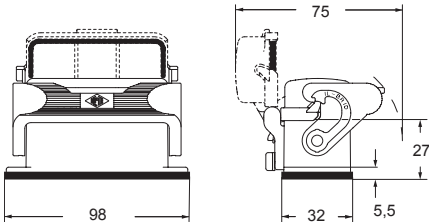
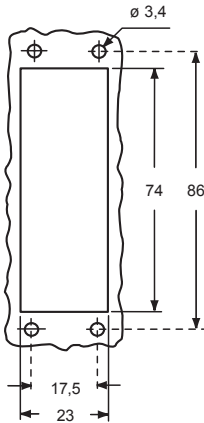


description	part No.	part No.	entry Pg	part No.	entry M
-------------	----------	----------	-------------	----------	------------

with single lever and cover	CZI 25 LSP				
with lever and cover, high construction		CZAP 25LSP16	16	MZAP 25LSP20	20
with lever and cover, high construction		CZAP 25LSP21	21	MZAP 25LSP25	25

☑ The enclosures ensure IP65 degree of protection when mated and locked with the closing lever, or IP44 protection when not mated and locked with lever, thanks to the SIMPLEX self-closing cover.

panel cut-out for bulkhead mounting housings



CALUS Type 4/4X/12



CALUS Type 4/4X/12 pending



CZ - CZA - CZF and MZ - MZA - MZF IL-BRID standard version

inserts

CD	25 poles + ⊕	69
CDD	38 poles + ⊕	77
CDA	16 poles + ⊕	100
CSAH	16 poles + ⊕	101
CDC	16 poles + ⊕	105

page:

hoods with 2 pegs



hoods with 2 pegs, double top entry

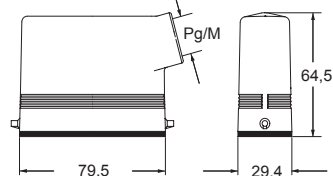


description	part No.	entry Pg	part No.	entry M	part No.	entry Pg	part No.	entry M
side entry	CZO 25 L	16	MZO 25 L20	20				
side entry			MZO 25 L25	25				
side entry, high construction	CZAO 25 L16	16	MZAO 25 L20	20				
side entry, high construction	CZAO 25 L21	21	MZAO 25 L25	25				
top entry	CZV 25 L	16						
top entry 2)			MZV 25 L20	20				
top entry, high construction	CZAV 25 L16	16	MZAV 25 L20	20				
top entry, high construction	CZAV 25 L21	21	MZAV 25 L25	25				
side entry, high construction, without adapter 1)	CZFO 25 L16	16	MZFO 25 L20	20				
side entry, high construction, without adapter 1)	CZFO 25 L21	21	MZFO 25 L25	25				
top entry, high construction, without adapter 1)	CZFV 25 L16	16	MZFV 25 L20	20				
top entry, high construction, without adapter 1)	CZFV 25 L21	21	MZFV 25 L25	25				
with pegs for 1 lever, high construction					CZAV 25 L216	16 x 2	MZAV 25 L220	20 x 2
with pegs for 1 lever, high construction, without adapter 1)					CZFV 25 L216	16 x 2	MZFV 25 L220	20 x 2

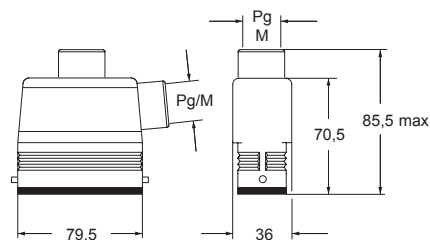
1) enclosure without adapter, threaded on the body, to be used only with a complete cable gland.

2) can only be used with a complete cable gland (to be purchased separately).

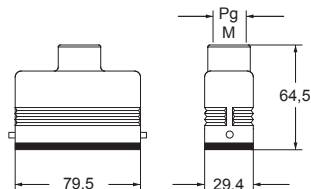
CZO L and MZO L ▲



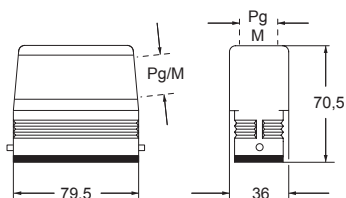
CZAO L - MZAO L and CZAV L - MZAV L ▲



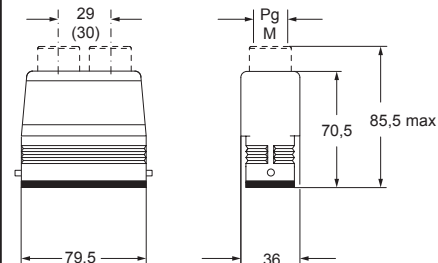
CZV L and MZV L ▲



CZFO L - MZFO L and CZFV L - MZFV L ●



CZAV/CZFV L2 and (MZAV)/MZFV L2 ●



CALUS Type 4/4X/12



▲ insulating cable gland or fittings without gasket



▲ cable gland with O-Ring gasket



● cable gland with O-Ring gasket
IP67 if hoods with fused pegs and without adapters, coupled with IP67 housings



CZ and MZ IL-BRID standard version

inserts		page:
CD	25 poles + ⊕	69
CDD	38 poles + ⊕	77
CDA	16 poles + ⊕	100
CSAH	16 poles + ⊕	101
CDC	16 poles + ⊕	105

hoods with single lever

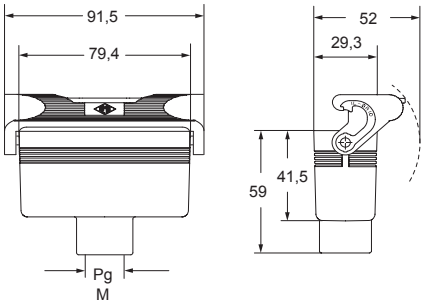


covers

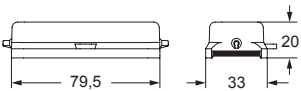


description	part No.	entry Pg	part No.	entry M	part No. (with eyelet)	part No. (with loop)
with single lever, top entry	CZV 25 LG	16	MZV 25 LG20	20		
with pegs and gasket (for 1 lever enclosures)					CZC 25 L	CZC 25 SL
with lever (for enclosures with pegs)						CZC 25 LG

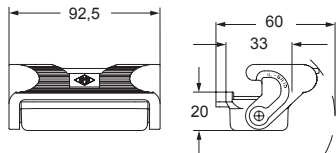
CZV LG and MZV LG ▲



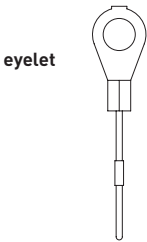
CZC L (SL) ●



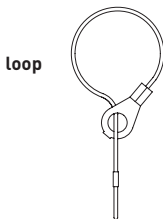
CZC LG ▲



For fixing on housings



For fixing on hoods



CAUS Type 4/4X/12



▲ insulating cable gland or fittings without gasket



▲ cable gland with O-Ring gasket



● IP67 if coupled with CZ7 - MZ7 housings (see page 385)

CZAC IL-BRID standard version

inserts	page:	hoods without entry, to be drilled	hoods without entry, to be drilled
size “49.16”			
CD	15 poles + ⊕	68	
CDA	10 poles + ⊕	98	
CSAH	10 poles + ⊕	99	
CDC	10 poles + ⊕	104	
MIXO	1 module	264 - 316	
size “66.16”			
CD	25 poles + ⊕	69	
CDD	38 poles + ⊕	77	
CDA	16 poles + ⊕	100	
CSAH	16 poles + ⊕	101	
CDC	16 poles + ⊕	105	



description

part No.
(with 2 pegs)

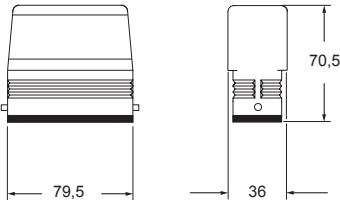
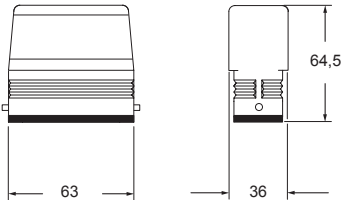
part No.
(with 2 pegs)

with pegs, high construction
used with enclosures size “49.16”

CZAC 15 L

with pegs, high construction
used with enclosures size “66.16”

CZAC 25 L



CALUS Type
4/4X/12

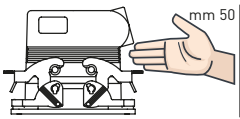
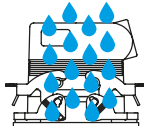
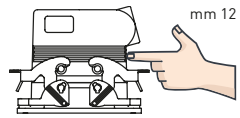
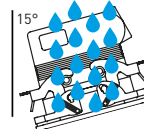
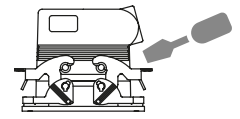
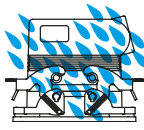
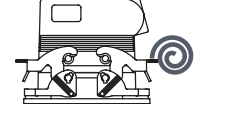
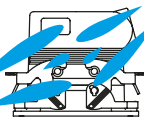
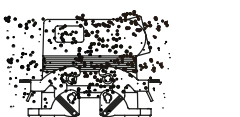
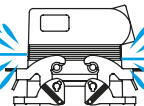
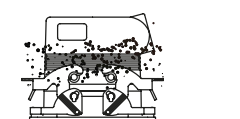
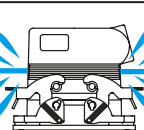
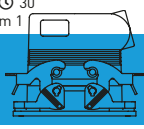
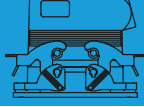
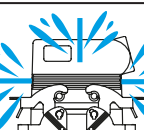


IP67 if coupled with CZ7 - MZ7 housings
(see page 384 or 385)

THE DEGREE OF PROTECTION

The connector's housing, sealing and locking mechanism protect the connection from external influences such as mechanical shocks, foreign bodies, humidity, dust, water or other fluids such as cleansing and cooling agents, oils, etc. The degree of protection the housing offers is explained in the IEC 60529, DIN EN 60529, standards that categorize enclosures according to foreign body and water protection.

The following table shows the **IP (Ingress Protection) Ratings Guide**.

FIRST Index figure	Degree of protection SOLIDS		SECOND Index figure	Degree of protection WATER	
0		No protection	0		No protection
1		Protected against access to hazardous parts with the back of a hand and protected against solid foreign objects of Ø 50 mm and greater	1		Protected against vertically falling water drops
2		Protected against access to hazardous parts with a finger - protected against solid foreign objects of Ø 12,5 mm and greater	2		Protected against vertically falling water drops when enclosure tilted up to 15° (on either side of the vertical)
3		Protected against access to hazardous parts with a tool - protected against solid foreign objects of Ø 2,5 mm and greater	3		Protected against spraying water (at an angle up to 60° on either side of the vertical)
4		Protected against access to hazardous parts with a wire - protected against solid foreign objects of Ø 1,0 mm and greater	4		Protected against splashing water from any direction
5		Protected against access to hazardous parts with a wire dust-protected (no harmful dust deposit)	5		Protected against water jets from any direction
6		Protected against access to hazardous parts with a wire dust-tight (total protection against dust)	6		Protected against powerful water jets from any direction (similar to sea waves)
RATING EXAMPLE IP 65			7		Protected against the effects of temporary immersion in water at a maximum depth of 1 metre for 30 min
			8		Protected against the effects of continuous immersion in water at depth and/or duration upon agreement, more severe than for numeral 7
			9		Protected against high pressure and temperature water jets from any direction

Description according to IEC 60529

CHANGEOVER FROM PG THREADS TO METRIC

After 31st December 1999, the German safety standard DIN VDE 0619 (1987-09) and the standards it refers to - DIN 46319 for dimensions with metric threads and DIN 46320 (T1-T4), DIN 46255 and DIN 46259 for dimensions with Pg threads (Pg = Panzerrohr-Gewinde: literally "threads for armoured pipes") - were withdrawn and European standard EN 50262 "Metric cable glands for electrical installations" has been in force since 1st January 2000.

This standard defines the new sizes with metric threads for cable glands according to EN 60423 and establishes the safety prescriptions.

Conversely, it does not specify the dimensions, such as the size of the tightening wrench, the diagonal dimension, or the dimensions of the tightness seals, as was the case in the withdrawn DIN for Pg cable glands.

The standard came definitively into force on 1st April 2001, when the contrasting national standards were withdrawn.

It is valid in all member countries of CENELEC (European Electrical Standardisation Committee) and its publication has led to a broadening of the supply of enclosures for multi-pole connectors for industrial use, to include new enclosure versions with cable entry suitable for metric cable glands.

NOTE – In 2016 the new EN 62444:2013 standard "Cable glands for electrical installations" replaced the former to cover only cable gland with metric thread whose range is now M6 through M110 (previously up to M75).

Cable gland producers have introduced the new metric series to add to the Pg size series, to gradually replace the latter type. The transitional period indicated in the new standard should have ended on 1st March 2001, after which date the use of cable entry devices with Pg thread and, as a result, enclosures with Pg thread, should have ended in new installations. Nevertheless, both the cable entry devices and the relevant enclosures with Pg thread, may continue to be used as spare parts. For the mandatory **CE** marking of these items, observance of the safety conditions specified by the Low Voltage Directive is sufficient, however adherence to the safety requirements of EN 62444 provides presumption of conformity.

To distinguish hoods and surface-mounting housings with metric entries from the relevant Pg versions (identified with a C pre-code), the ILME metric types are identified with an M pre-code. The transposition table below indicates the correspondence rule adopted in most cases by ILME for creating the new metric versions.

Pg → metric transposition table

Pg	Metric
Pg 11	M20
Pg 13.5	M20
Pg 16	M20
Pg 21	M25
Pg 29	M32
Pg 36	M40
Pg 42	M50

Cable diameter for use with ILME cable glands

Ø in mm	Metric thread				
Series	20	25	32	40	50
AS M..P	6 - 12,5	10 - 18	14 - 24	15 - 24	23 - 30
AS M..E	8 - 12,5	13,5 - 18	17 - 24	—	—
AG M..T	6 - 8 - 10	11 - 14 - 17	19 - 21 - 24	26 - 29 - 32	35 - 38 - 41
AG M..I	5 - 12,5	9 - 18	14 - 25	18 - 32	24 - 38,5
AG M..R	6 - 8 - 10	11 - 14 - 17	19 - 21 - 24	—	—

For more information, please refer to the technical catalogue on www.ilme.com