



# Multipole connectors

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# 20 23

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Newsbook  
Extract 10/10



datasheet

## IL-BRID LOCKING LEVER

## TECHNICAL FEATURES

Among the enclosures' locking systems introduced by ILME in its product portfolio of connector enclosures, the **IL-BRID** mechanism, a locking lever in self-extinguishing 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** was initially introduced in the compact **"CZ"** and **"MZ"**, sizes "49.16" and "66.16", enclosures series. More recently, with an adapted design it entered the ILME size "44.27", "57.27", "77.27" and "104.27" enclosures for standard applications (grey-coated) with single-lever on the smallest size "44.27" and double-lever on sizes "57.27", "77.27" and "104.27".

This range is now **further extended** to the single-lever versions for sizes "57.27", "77.27" and 104.27", with the **"CL"** and **"ML"** designations already in use, in the bulkhead or surface mounting housing or in the hood with lever versions.

Housings, either bulkhead mounting or surface mounting, are now available either with IL-BRID single lever (L in suffix of part No.) or with IL-BRID single lever **and with hinged, 3-position metal cover (LS** in suffix of part No.).

These new IL-BRID-equipped housings and hoods are **compatible** with the entire range of ILME enclosures with peg on short sides, offering an IP65 or IP66/IP69 degree of protection according to EN IEC 50529, depending on model and cable gland gasketing.

Surface mounting housing or hoods with levers of this **CL** – **ML** series, are **equipped with metric M cable entries**;

models with corresponding **Pg or NPT cable entries** are **available upon request**.

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 handle design for an easy opening and closing operation;
- Q enhanced stiffness of the longer handle by means of V-shaped ribs;
- Q IP65 or IP66/IP69 degree of protection according to EN IEC 60529 (depending on model);
- Q reduced occupation of space on the outer edges – compared to Class lever – thanks to a curved design;
- Q allow bulkhead mounting and surface mounting housings with hinged, 3-position metal covers (whereas double-lever do not).

### ✓ CERTIFICATIONS

- cURus (Type 12, 4, 4X), CQC, DNV, BV pending.
- **CE** and **UKCA** markings. EAC not applicable.
- **RoHS**: compliant.

▶ **V-shaped ribs**  
to improve stiffness of handles



▶ **Soft closing**  
1<sup>st</sup> touch



▶ **Strong hold**  
2<sup>nd</sup> touch





# CL..L - ML..L standard version with IL-BRID single lever

**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 single lever**



FROM SEPTEMBER 2023

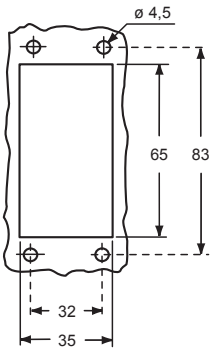
**surface mounting housings with single lever**



FROM SEPTEMBER 2023

description	part No.	entry M
with lever	<a href="#">CLI 10 L</a>	
with lever and cover	<a href="#">CLI 10 LS</a>	
with lever	<a href="#">MLP 10 L20</a>	20
with lever	<a href="#">MLP 10 L220</a>	20 × 2
with lever, high construction	<a href="#">MLAP 10 L32</a>	32
with lever, high construction	<a href="#">MLAP 10 L232</a>	32 × 2
with lever, high construction	<a href="#">MLAP 10 L40</a>	40
with lever, high construction	<a href="#">MLAP 10 L240</a>	40 × 2
with lever and cover	<a href="#">MLP 10 LS20</a>	20
with lever and cover	<a href="#">MLP 10 LS220</a>	20 × 2
with lever and cover, high construction	<a href="#">MLAP 10 LS32</a>	32
with lever and cover, high construction	<a href="#">MLAP 10LS232</a>	32 × 2
with lever and cover, high construction	<a href="#">MLAP 10 LS40</a>	40
with lever and cover, high construction	<a href="#">MLAP 10LS240</a>	40 × 2

panel cut-out for bulkhead mounting housings

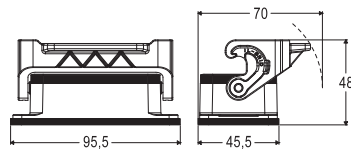


**IMPORTANT NOTE:** The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

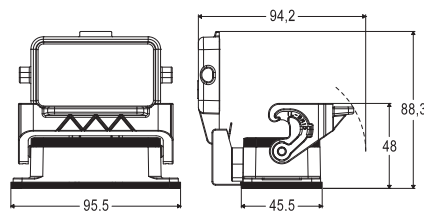
cURus  
Type 4/4X/12 pending

- insulating cable gland or fittings without gasket
- cable gland with O-Ring gasket

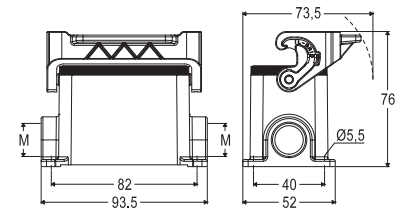
**CLI 10 L ▲**



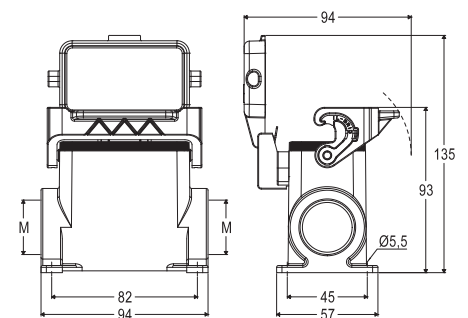
**CLI 10 LS ●**



**MLP 10 L**



**MLAP 10 LS ●**





# ML..L – MLA..L standard version with IL-BRID single lever

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 single lever  
top entry



hoods with single lever  
side entry



refer to CN.19 pages

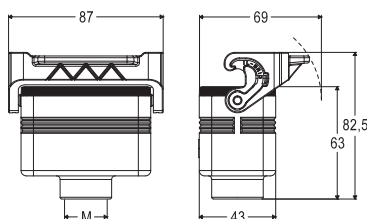
**FROM SEPTEMBER 2023**

**FROM SEPTEMBER 2023**

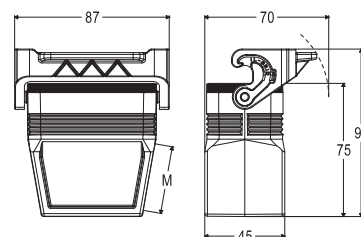
description	part No.	entry M	part No.	entry M
with lever, top entry	<a href="#">MLV 10 LG25</a>	25		
with lever, top entry, high construction	<a href="#">MLAV 10 LG25</a>	25		
with lever, top entry, high construction	<a href="#">MLAV 10 LG32</a>	32		
with lever, top entry, high construction	<a href="#">MLAV 10 LG40</a>	40		
with lever, side entry, high construction, without adapter <sup>1)</sup>			<a href="#">MLFO 10 LG40</a>	40
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 10 LG25</a>	25		
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 10 LG32</a>	32		
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 10 LG40</a>	40		

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

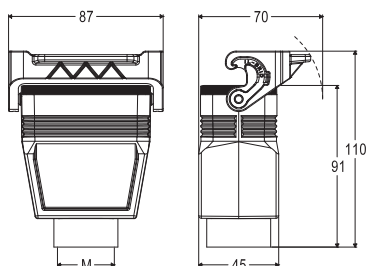
MLV 10 LG



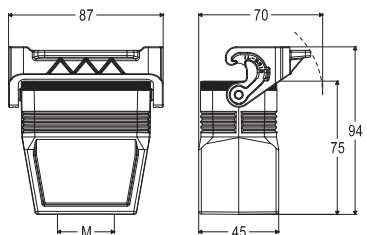
MLFO 10 LG



MLAV 10 LG



MLFV 10 LG



cURus  
Type 4/4X/12 pending

insulating cable gland or fittings  
without gasket

cable gland  
with O-Ring gasket



# CL..L – ML..L standard version with IL-BRID single lever

**inserts:**

insert	poles	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

page:

**bulkhead mounting housings with single lever**



**FROM SEPTEMBER 2023**

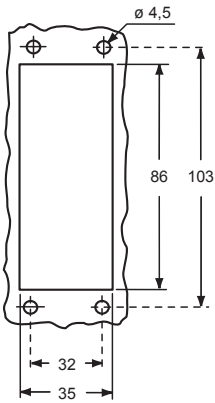
**surface mounting housings with single lever**



**FROM SEPTEMBER 2023**

description	part No.	entry M
with lever	<a href="#">CLI 16 L</a>	
with lever and cover	<a href="#">CLI 16 LS</a>	
with lever	<a href="#">MLP 16 L25</a>	25
with lever	<a href="#">MLP 16 L225</a>	25 × 2
with lever, high construction	<a href="#">MLAP 16 L32</a>	32
with lever, high construction	<a href="#">MLAP 16 L232</a>	32 × 2
with lever, high construction	<a href="#">MLAP 16 L40</a>	40
with lever, high construction	<a href="#">MLAP 16 L240</a>	40 × 2
with lever and cover	<a href="#">MLP 16 LS25</a>	25
with lever and cover	<a href="#">MLP 16 LS225</a>	25 × 2
with lever and cover, high construction	<a href="#">MLAP 16 LS32</a>	32
with lever and cover, high construction	<a href="#">MLAP 16LS232</a>	32 × 2
with lever and cover, high construction	<a href="#">MLAP 16 LS40</a>	40
with lever and cover, high construction	<a href="#">MLAP 16LS240</a>	40 × 2

panel cut-out for bulkhead mounting housings

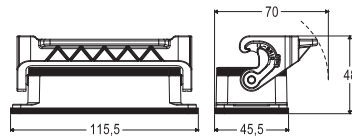


**IMPORTANT NOTE:** The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

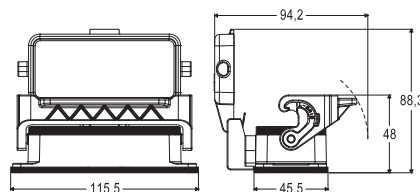
cURus  
Type 4/4X/12 pending

- insulating cable gland or fittings without gasket
- cable gland with O-Ring gasket

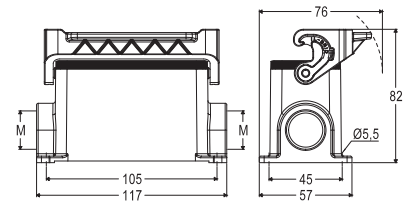
**CLI 16 L ▲**



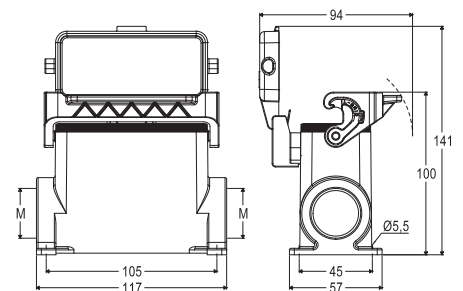
**CLI 16 LS ●**



**MLP 16 L**



**MLAP 16 LS ●**





# ML..L – MLA..L standard version with IL-BRID single lever

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
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

refer to CN.19 pages

## hoods with single lever top entry



FROM SEPTEMBER 2023

## hoods with single lever side entry

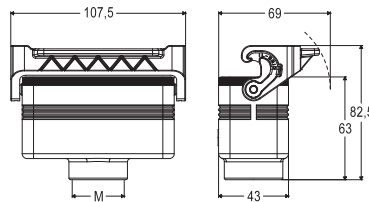


FROM SEPTEMBER 2023

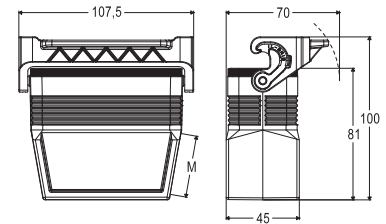
description	part No.	entry M	part No.	entry M
with lever, top entry	<a href="#">MLV 16 LG32</a>	32		
with lever, top entry, high construction	<a href="#">MLAV 16 LG25</a>	25		
with lever, top entry, high construction	<a href="#">MLAV 16 LG32</a>	32		
with lever, top entry, high construction	<a href="#">MLAV 16 LG40</a>	40		
with lever, side entry, high construction, without adapter <sup>1)</sup>			<a href="#">MLFO 16 LG40</a>	40
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 16 LG25</a>	25		
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 16 LG32</a>	32		
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 16 LG40</a>	40		

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

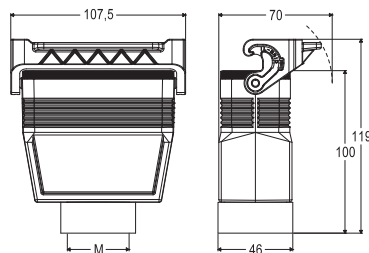
### MLV 16 LG



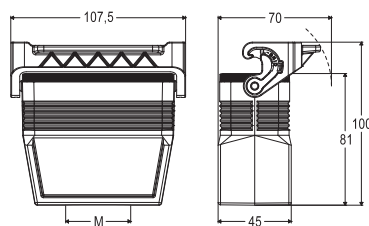
### MLFO 16 LG



### MLAV 16 LG



### MLFV 16 LG



cURus  
Type 4/4X/12 pending

insulating cable gland or fittings without gasket

cable gland with O-Ring gasket





# CL..L – ML..L standard version with IL-BRID single lever

<b>inserts:</b>		<b>page:</b>
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, 206
MIXO	6 modules	262 - 317

\* can be used only in bulkhead mounting housings

refer to CN.19 pages

## bulkhead mounting housings with single lever



**FROM SEPTEMBER 2023**

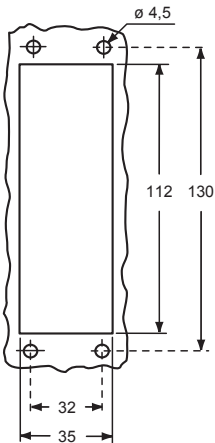
## surface mounting housings with single lever



**FROM SEPTEMBER 2023**

description	part No.	entry M
with lever	<a href="#">CLI 24 L</a>	
with lever and cover	<a href="#">CLI 24 LS</a>	
with lever	<a href="#">MLP 24 L25</a>	25
with lever	<a href="#">MLP 24 L225</a>	25 × 2
with lever, high construction	<a href="#">MLAP 24 L32</a>	32
with lever, high construction	<a href="#">MLAP 24 L232</a>	32 × 2
with lever, high construction	<a href="#">MLAP 24 L40</a>	40
with lever, high construction	<a href="#">MLAP 24 L240</a>	40 × 2
with lever and cover	<a href="#">MLP 24 LS25</a>	25
with lever and cover	<a href="#">MLP 24 LS225</a>	25 × 2
with lever and cover, high construction	<a href="#">MLAP 24 LS32</a>	32
with lever and cover, high construction	<a href="#">MLAP 24LS232</a>	32 × 2
with lever and cover, high construction	<a href="#">MLAP 24 LS40</a>	40
with lever and cover, high construction	<a href="#">MLAP 24LS240</a>	40 × 2

### panel cut-out for bulkhead mounting housings

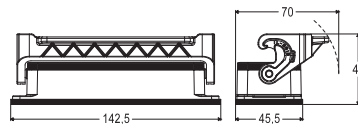


**IMPORTANT NOTE:** The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

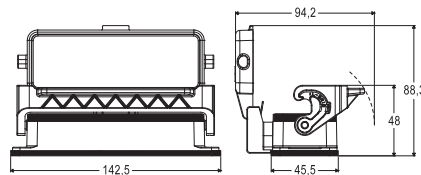
cURus  
Type 4/4X/12 pending

- insulating cable gland or fittings without gasket
- cable gland with O-Ring gasket

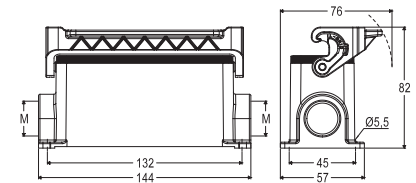
### CLI 24 L ▲



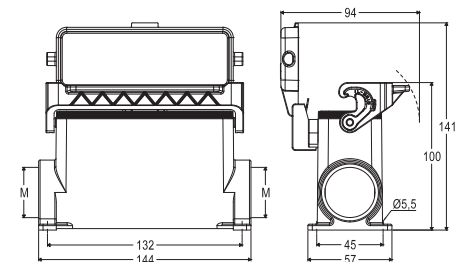
### CLI 24 LS ●



### MLP 24 L



### MLAP 24 LS ●





# ML..L – MLA..L standard version with IL-BRID single lever

inserts:

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

page:

hoods with single lever  
top entry



hoods with single lever  
side entry



refer to CN.19 pages

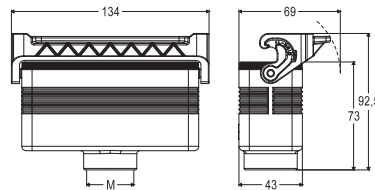
**FROM SEPTEMBER 2023**

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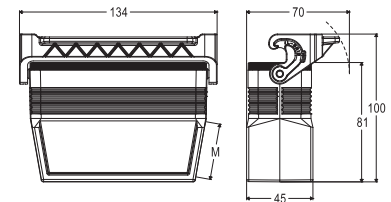
description	part No.	entry M	part No.	entry M
with lever, top entry	<a href="#">MLV 24 LG32</a>	32		
with lever, top entry, high construction	<a href="#">MLAV 24 LG25</a>	25		
with lever, top entry, high construction	<a href="#">MLAV 24 LG32</a>	32		
with lever, top entry, high construction	<a href="#">MLAV 24 LG40</a>	40		
with lever, side entry, high construction, without adapter <sup>1)</sup>			<a href="#">MLFO 24 LG40</a>	40
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 24 LG25</a>	25		
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 24 LG32</a>	32		
with lever, top entry, high construction, without adapter <sup>1)</sup>	<a href="#">MLFV 24 LG40</a>	40		

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

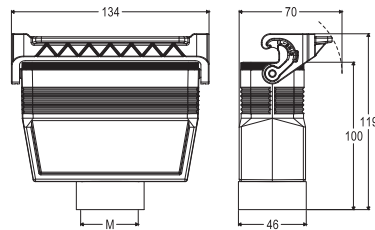
MLV 24 LG



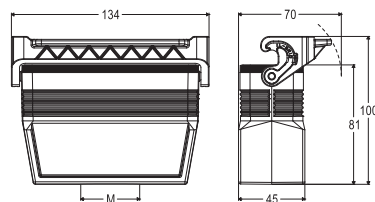
MLFO 24 LG



MLAV 24 LG



MLFV 24 LG



cURus  
Type 4/4X/12 pending

insulating cable gland or fittings  
without gasket

cable gland  
with O-Ring gasket





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