

The space you have always needed

BIG Series, based on the wide-ranging experience achieved by ILME, introduces a significant **change in the design of hoods and has been specifically designed to meet the new requirements of the wiring market**. The enclosures **integrate the existing range and are ideal for installations with structured and complex wiring**.



Accurate design

The **large dimensions** of these innovative enclosures have been chosen to offer customers an **adequate space to store conductors**.

The **width** of the new 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 72mm), **and to 110 mm** for sizes "77.27" and "104.27" (standard versions for high models: 76 mm).

The cable compartment is now fully accessible during assembly (the connector insert is fully inserted in the lower half of

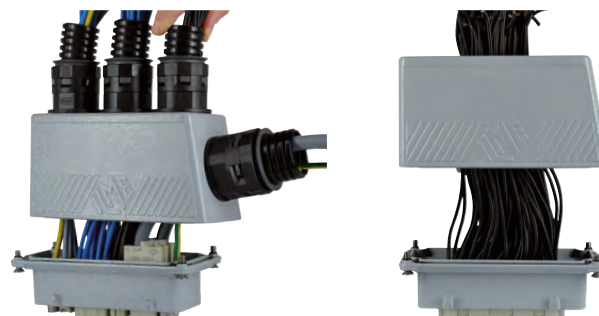
the enclosure), **offering three times the space compared to standard enclosures**. This means it is possible to bend cables and pipes with greater bending radii.

Due to this important feature, the new BIG enclosures are **particularly suitable for MIXO modular inserts**, being versatile and customizable, for multiple cable entries.

Each insert, differentiated according to electric power or signal, pneumatic, optical fibre or Ethernet network current, **may thus have the specific branching. One single large connector can replace what previously required two connectors**.

Ease of use

The possibility of **splitting the enclosure in two halves simplifies the installation of the insert**. It is also possible to **connect the insert with a cable and later insert it in the lower half of the enclosure** (except for the 6 pole version).



Options for the connection of control and signalling devices

All the five walls of the upper half of the enclosure have a high thickness to allow them to be drilled and threaded, even with multiple threads.

BIG enclosures enable the connection – of push – buttons, selectors, switches and signalling lamps after the necessary holes have been drilled. It is possible, for example, to enable power supplies or signalling circuits, even after the connector has been coupled.



Simplified installation

Installation operations for the new 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 by means of the 4 screws supplied.

It is possible to prevent the fixing screws from coming loose by fitting on each screw the O-ring seal supplied with the enclosures.



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 provide protection against indirect contacts.

In this case, it is however necessary to order separately earthing terminal CR MBT, consisting of a fixing screws and a wire-terminal for 6 mm² conductors.



Range

The items are classified with the following pre-code:

- MBO for enclosures with side entry
- MBV for enclosures with one or more top entries
- MBVO for enclosures with top and side entries
- CBC for closed enclosures that can be drilled

The available versions are:

- for enclosures with size "44.27": **single lever**
- for enclosures with sizes "57.27", "72.27" and "104.27": **two levers**

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 IP66 protection rating (EN 60529) after the connector has been coupled, 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 class W aggressive environments are also available on request**

Q 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.

MB wider version BIG

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

page:

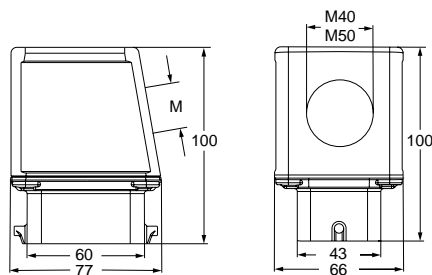
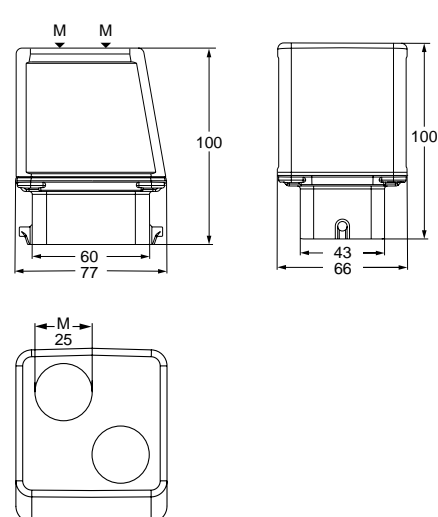
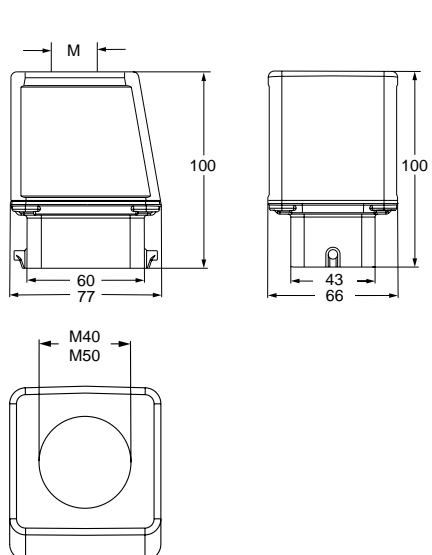
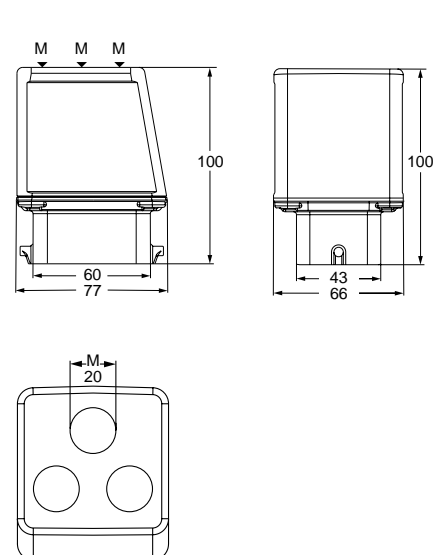
hoods with 2 pegs



hoods with 2 pegs



description	part No.	entry M	part No.	entry M
with pegs, side entry	MBO 06 L40	40		
with pegs, side entry	MBO 06 L50	50		
with pegs, top entry	MBV 06 L40	40	MBV 06 L225	25 x 2
with pegs, top entry	MBV 06 L50	50	MBV 06 L320	20 x 3

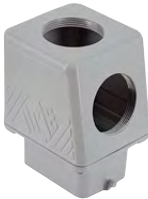
MBO 06 L**MBV 06 L225****MBV 06 L****MBV 06 L320**Housings
(page 436)**CAUS** Type
4/4X/12insulating cable gland or fittings
without gasketcable gland
with O-Ring gasket



CB and MB wider version BIG

inserts		page:
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

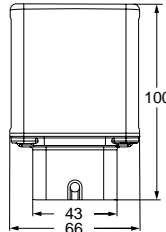
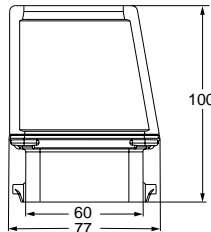
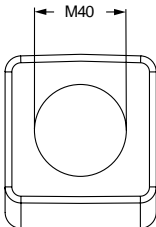
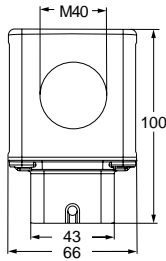
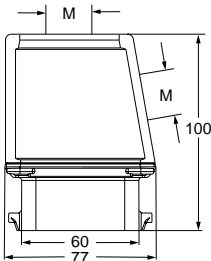
hoods with 2 pegs



hoods with 2 pegs



description	part No.	entry M	part No.
with pegs, side and top entries	MBVO 06 L240	2 x 40	
with pegs, without entries, designed to be drilled			CBC 06 L



Housings
(page 436)



CALUS Type 4/4X/12



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

MB wider version BIG

inserts

page:

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

hoods with 4 pegs

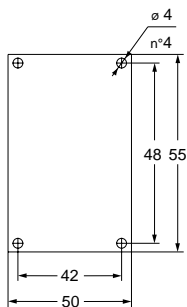
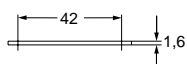
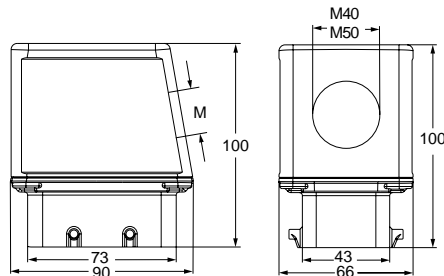
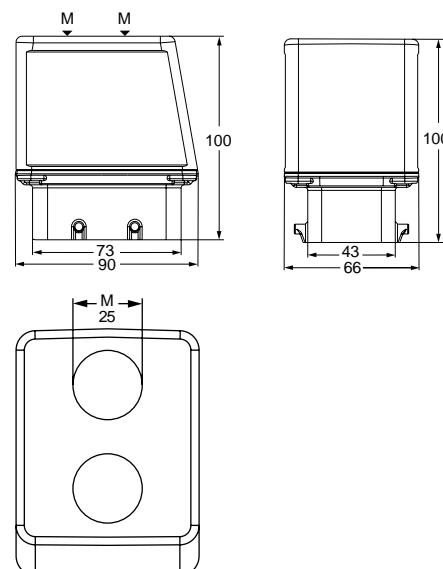
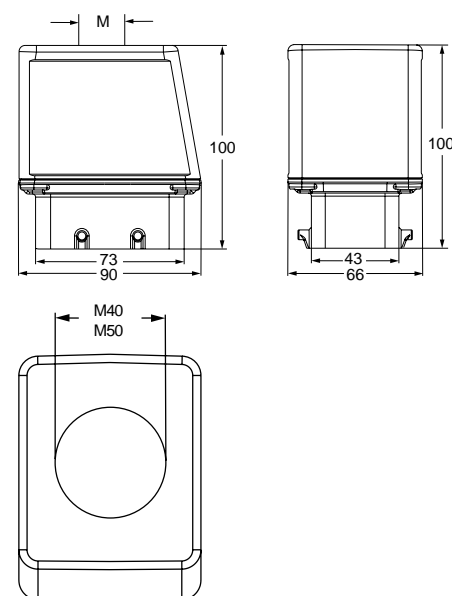
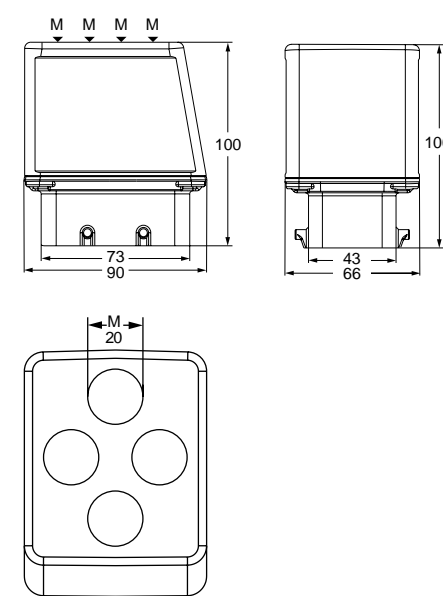


hoods with 4 pegs



description	part No.	entry M	part No.	entry M
with pegs, side entry	MBO 10.40	40		
with pegs, side entry	MBO 10.50	50		
with pegs, top entry	MBV 10.40	40	MBV 10.225	25 x 2
with pegs, top entry	MBV 10.50	50	MBV 10.420	20 x 4

dimensions of electronic boards for MBO enclosures
side entry

**MBO 10****MBV 10.225****MBV 10****MBV 10.240**

Housings
(page 438)



CAUS Type
4/4X/12



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket



CB and MB wider version BIG

inserts		page:
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

hoods with 4 pegs



hoods with 4 pegs

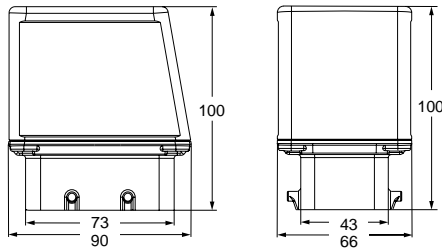
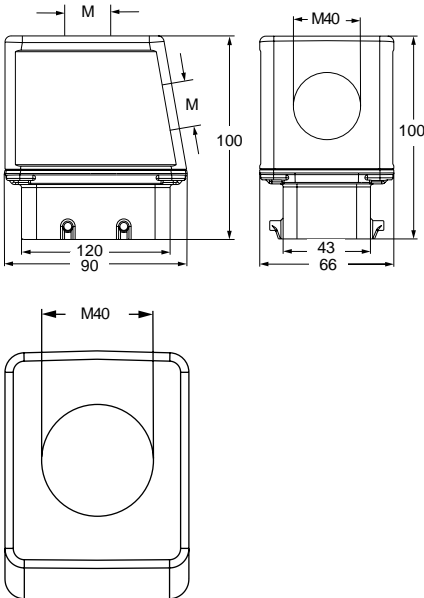
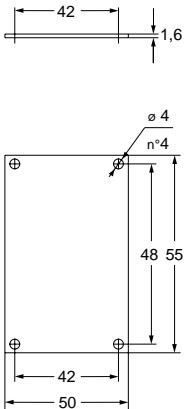


description	part No.	entry M	part No.
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with pegs, side and top entries **MBVO 10.240** 40 x 2

with pegs, without entries, designed to be drilled **CBC 10**



dimensions of electronic boards for CBC enclosures
side entry



Housings
(page 438)



CAUS Type 4/4X/12

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

MB wider version BIG

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, 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

hoods with 4 pegs

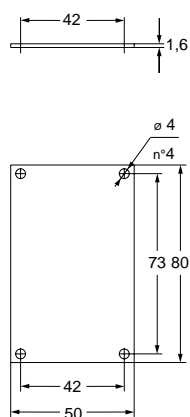
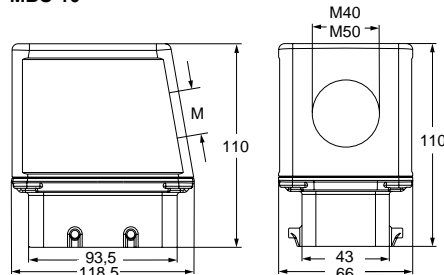
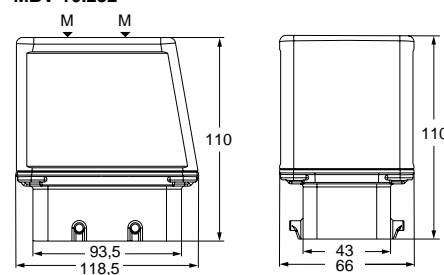
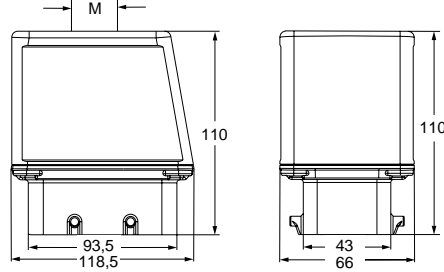
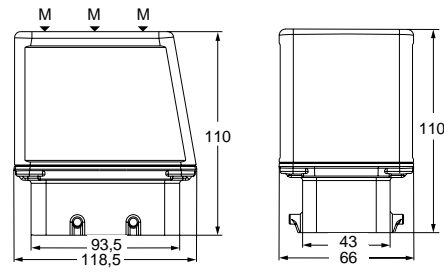


hoods with 4 pegs



description	part No.	entry M	part No.	entry M
with pegs, side entry	MBO 16.40	40		
with pegs, side entry	MBO 16.50	50		
with pegs, top entry	MBV 16.40	40	MBV 16.232	32 x 2
with pegs, top entry	MBV 16.50	50	MBV 16.325	25 x 3

dimensions of electronic boards for MBO enclosures
side entry

**MBO 16****MBV 16.232****MBV 16****MBV 16.325**

Housings
(page 439)



CALUS Type
4/4X/12



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket



CB and MB wider version BIG

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, 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

hoods with 4 pegs

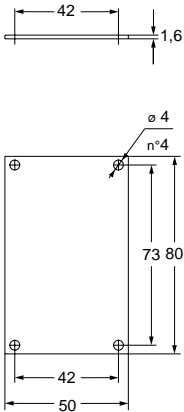


hoods with 4 pegs



description	part No.	entry M	part No.	entry M
with pegs, side entry	MBO 16.225	25 x 2		
with pegs, top entry	MBV 16.620	20 x 6		
with pegs, side and top entries			MBVO 16.240	40 x 2
with pegs, without entries, designed to be drilled			CBC 16	--

dimensions of electronic boards for MBO and CBC enclosures side entry



Housings
(page 439)



CAUS Type 4/4X/12

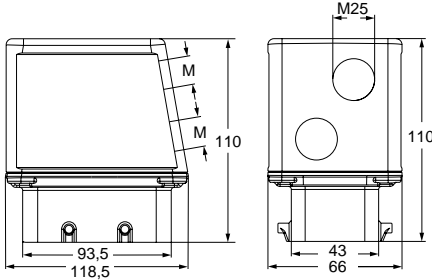


insulating cable gland or fittings without gasket

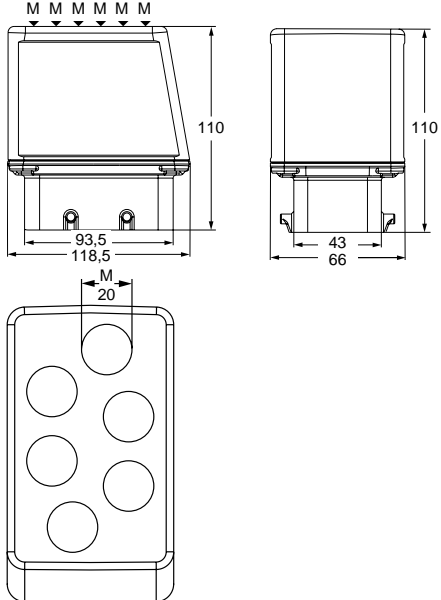


cable gland with O-Ring gasket

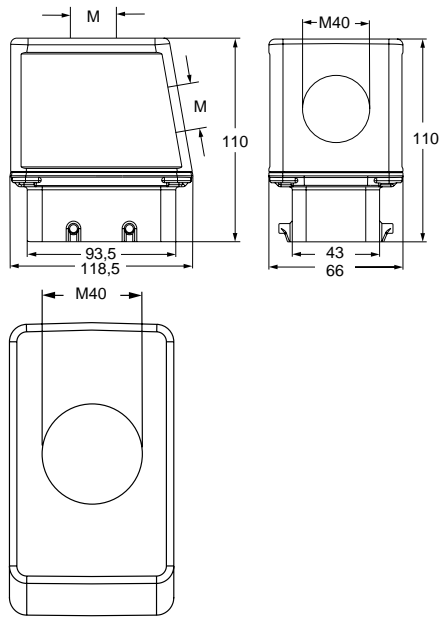
MBO 16.225



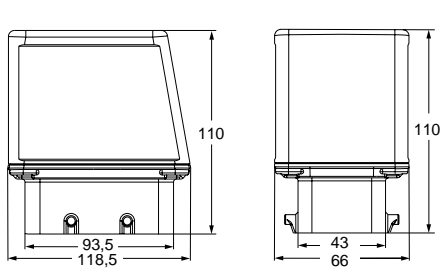
MBV 16.220



MBVO 16.240



CBC 16



MB wider version BIG

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, 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

page:

hoods with 4 pegs

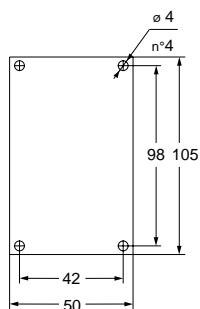
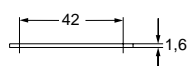


hoods with 4 pegs



description	part No.	entry M	part No.	entry M
with pegs, side entry	MBO 24.40	40		
with pegs, side entry	MBO 24.50	50		
with pegs, top entry	MBV 24.40	40	MBV 24.240	40 x 2
with pegs, top entry	MBV 24.50	50	MBV 24.332	32 x 3

dimensions of electronic boards for MBO enclosures
side entry



Housings
(page 441)



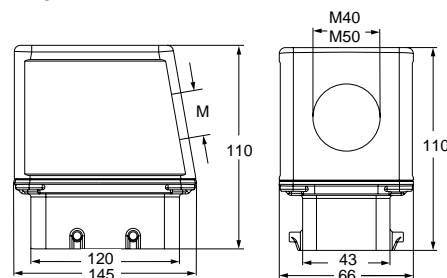
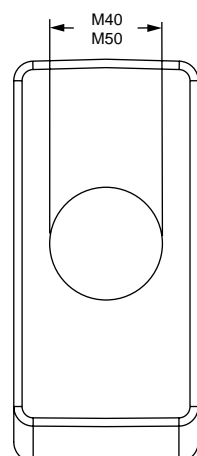
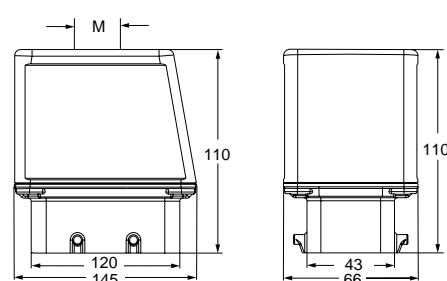
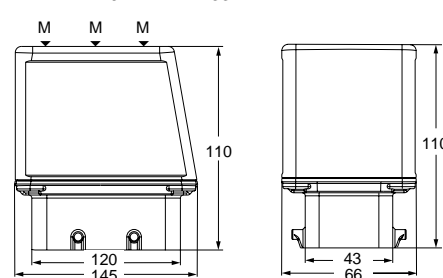
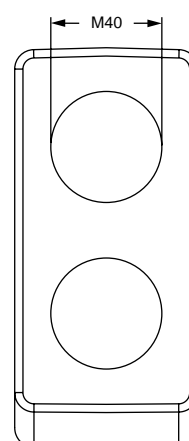
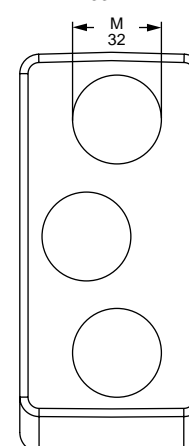
CALUS® Type
4/4X/12



insulating cable gland or fittings
without gasket



cable gland
with O-Ring gasket

MBO 24**MBV 24****MBV 24.240 - MBV 24.332****MBV 24.240****MBV 24.332**



CB and MB wider version BIG

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
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

hoods with 4 pegs

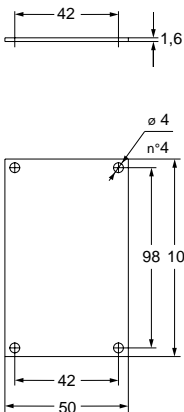


hoods with 4 pegs



description	part No.	entry M	part No.	entry M
with pegs, side entry	MBO 24.225	25 x 2		
with pegs, top entry	MBV 24.425	25 x 4		
with pegs, top entry	MBV 24.720	20 x 7		
with pegs, side and top entries			MBVO 24.250	50 x 2
with pegs, without entries, designed to be drilled			CBC 24	--

dimensions of electronic boards for MBO and CBC enclosures side entry



Housings (page 441)



CALUS Type 4/4X/12

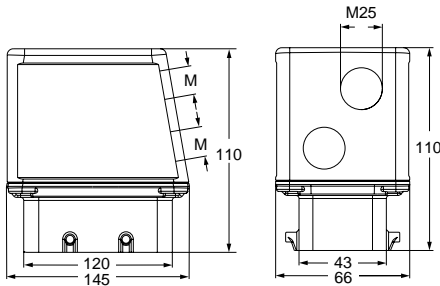


insulating cable gland or fittings without gasket

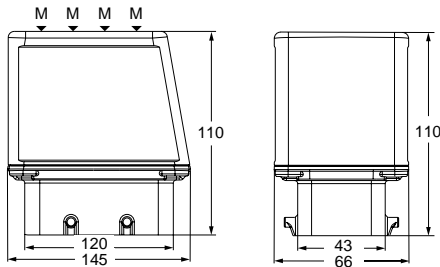


cable gland with O-Ring gasket

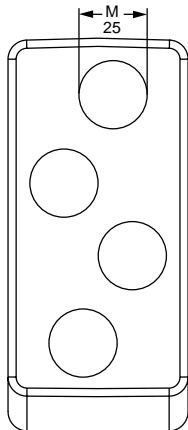
MBO 24



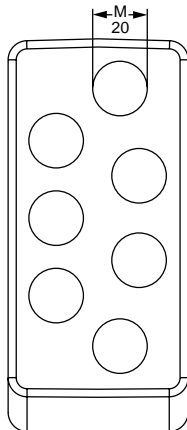
MBV 24.425 - MBV 24.270



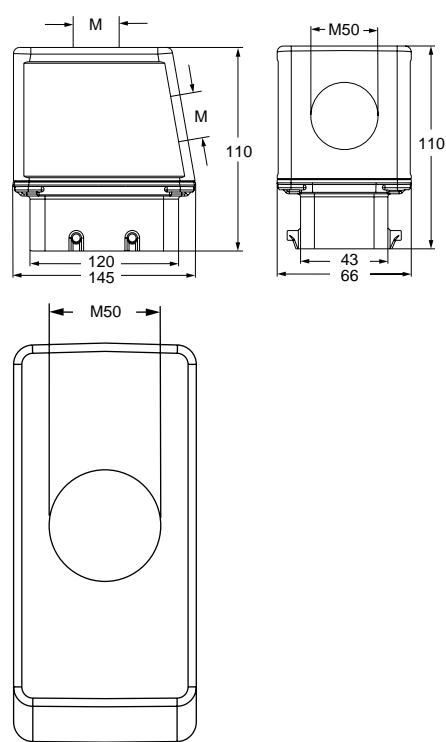
MBV 24.425



MBV 24.720



MBVO 24.250



CBC 24

