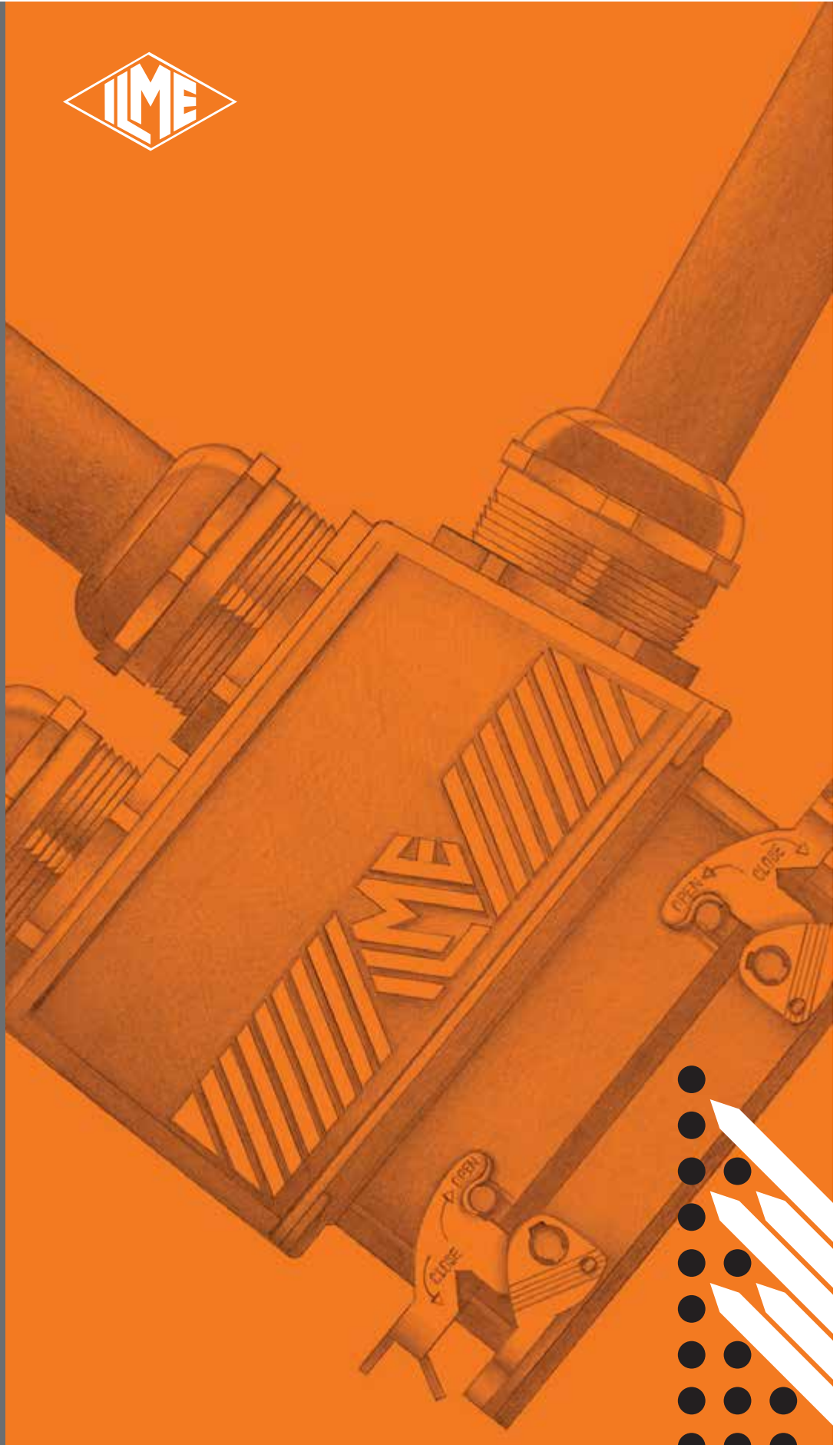


Multipole connectors BIG hoods



ENGLISH

BIG enclosures

The space you have always wanted....

Series BIG, 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 new 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 BIG enclosures are **greater compared to those of previous versions**: 66mm compared to the 43mm for standard enclosures. The **height** of BIG enclosures has also been **increased to 100mm** for sizes "44.27" and "57.27" (standard versions for high models: 70 and 72mm), **and to 110mm** for sizes "77.27" and 104.27" (standard versions for high models: 76mm).

The cable compartment is now fully accessible during assembly (the connector insert is fully inserted in the lower half of the enclosure). **Offering three time the space compared to standard enclosures**. This means it is possible to bend cables and pipes with greater bending radiuses.

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

Each insert, that is used to manage power and signal electrical connections, pneumatic, fibre optic or Ethernet connections **has a dedicated entry**, in practical terms it is now possible to use one BIG connector enclosure for installations that previously required two.



Easiness 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 poles version).



Cable entries

Particular attention has been given to the number and dimensions of cable entries.

The threaded entry is available in several metric diameters in accordance with EN 60423, for input devices compliant with EN 50262, with vertical or horizontal orientation.



The advantages of these enclosures compared to standard versions are:

- Possibility of performing M40 and M50 threads entries, also on the smaller size ("44.27"). The maximum thread entry for standard "44.27" enclosures is M32.
- Possibility of M50 thread entry on size "57.27". The maximum thread entry for standard enclosure is M40.
- Maximum of 7 Threaded entries in the same housing.



Size "44.27" with
3 M20 threaded entries



Size "57.27" with
4 M20 threaded entries



Size "77.27" with
6 M20 threaded entries



Size "104.27" with
7 M20 threaded entries



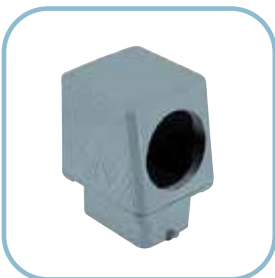
Enclosures with 2 horizontal threads
on the same side



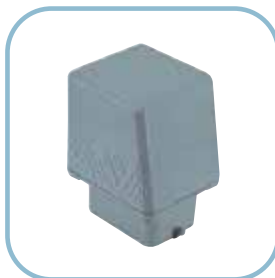
Enclosures with 2 cable entries,
1 horizontal and 1 vertical

There are also versions with 2 horizontal threads on the same side or 2 threaded entries, 1 horizontal and 1 vertical.

A version with front holes is available on request.



Enclosure with front holes

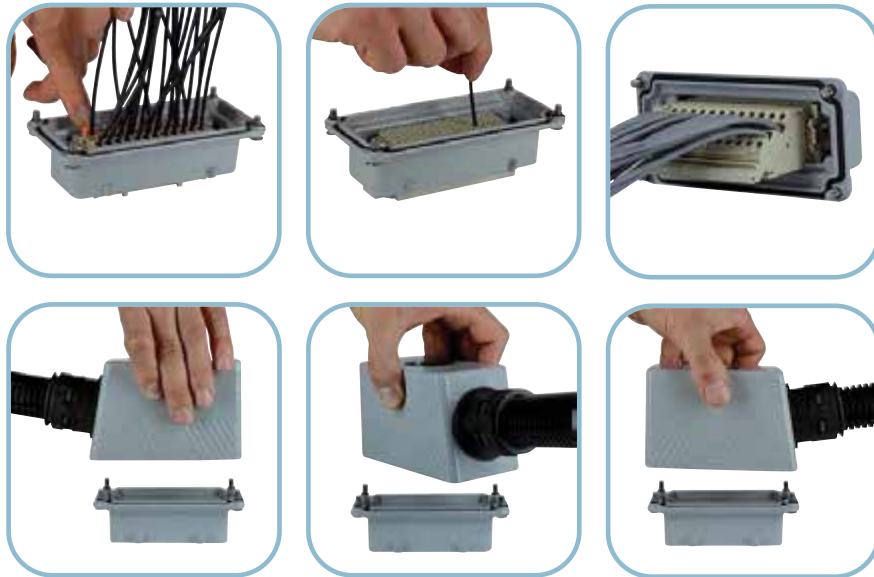


Enclosure without holes

It is also possible to order closed hoods that can be drilled on all sides for customised installations.

Simplified wiring

Connector inserts can be wired after the lower half of the enclosure has been fixed in place.



In the event of incorrect assembly, it is possible to rotate the upper half of the enclosure by 180° in order to move the cable entry to the other side.

Versatility

BIG enclosures can be used for all inserts with standard sizes of “44.27”, “57.27”, “77.27” and “104.27” and all connections: SQUICH, screw, spring and crimp (except for CT 40/64 inserts).

It is also possible to order a version with additional internal thermal insulation for CME and CMCE 16+2 inserts. This means that customers can use CT/CTSE 6/10/16/24 inserts in hoods.



CRIMP



SCREW



SPRING



SQUICH

Options for the connection of control and signalling devices

All the five walls of the upper enclosure half 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

The new BIG enclosures are quick and easy to install, as they require no special accessories, tools or additional operations.

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 supplied with the enclosures.

Compartment for electronic boards

It is possible to install electronic boards in the lower 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.

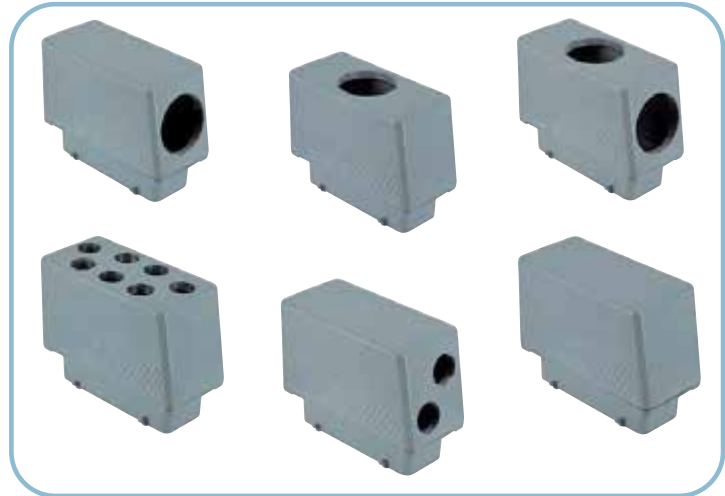
Range

The new 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



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/JCV/JMV).

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.



Technical specifications

- 1) The new 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.
- 2) BIG enclosures guarantee an IP66 protection class (EN 60529) after the connector has been coupled, and completed with appropriate cable glands; they are manufactured in compliance with standard IEC/EN 61984.
- 3) The ambient temperature limits are $-40^{\circ}\text{C} + +125^{\circ}\text{C}$.
- 4) Versions for class W aggressive environments are also available on request.



Marking

Each enclosure is marked with the part number and thread entry size.





for inserts:

- CDD 24 poles + ⊕
- CQE 10 poles + ⊕
- CSH 6 poles + ⊕
- CCE 6 poles + ⊕
- CNE, CSE, JCNE, JCSE 6 poles + ⊕
- CSS 6 poles + ⊕
- CTE, CTSE 6 poles + ⊕
- MIXO 2 seats

z

Insert fixing distance:
44 x 27 mm

**hoods
for single lever**



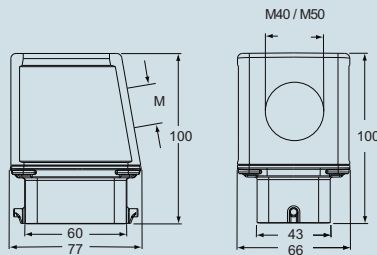
**hoods
for single lever**



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
with pegs, top entry			MBV 06 L50	50

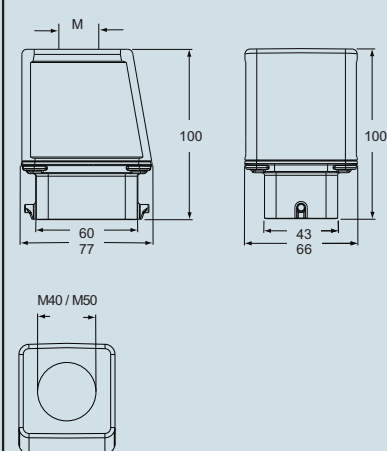
dimensions in mm

MBO 06 L



dimensions in mm

MBV 06 L



dimensions shown are not binding
and may be changed without notice

for inserts:

- CDD 24 poles + ⊕
- CQE 10 poles + ⊕
- CSH 6 poles + ⊕
- CCE 6 poles + ⊕
- CNE, CSE, JCNE, JCSE 6 poles + ⊕
- CSS 6 poles + ⊕
- CTE, CTSE 6 poles + ⊕
- MIXO 2 seats

Insert fixing distance:
44 x 27 mm

**hoods
for single lever**

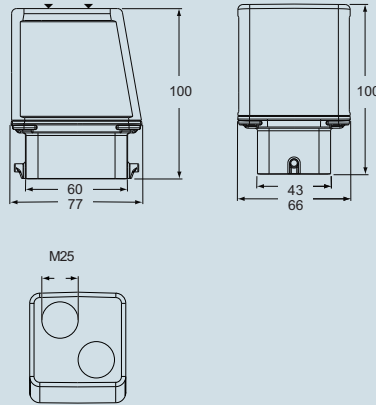


**hoods
for single lever**

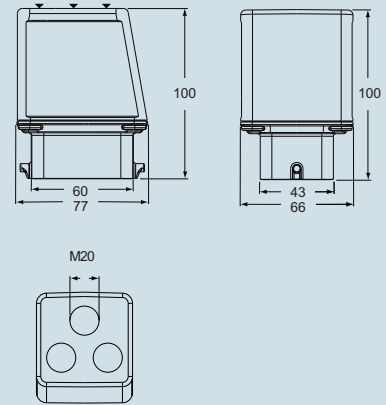


description	Part No.	entry M	Part No.	entry M
with pegs, top entry	MBV 06 L225	25 x 2	MBV 06 L320	20 x 3
with pegs, top entry				

dimensions in mm
MBV 06 L225



dimensions in mm
MBV 06 L320



dimensions shown are not binding
and may be changed without notice

for inserts:

- CDD 24 poles + ⊕
- CQE 10 poles + ⊕
- CSH 6 poles + ⊕
- CCE 6 poles + ⊕
- CNE, CSE, JCNE, JCSE 6 poles + ⊕
- CSS 6 poles + ⊕
- CTE, CTSE 6 poles + ⊕
- MIXO 2 seats

Insert fixing distance:
44 x 27 mm

**hoods
for single lever**

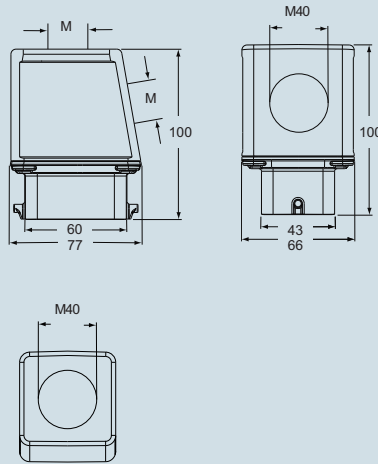


**hoods
for single lever**

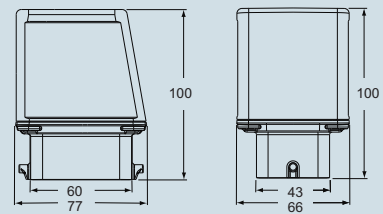


description	Part No.	entry M	Part No.
with pegs, side ant top entries	MBVO 06 L240	2 x 40	CBC 06 L
with pegs, without entries, designed to be drilled			

dimensions in mm
MBVO 06 L240



dimensions in mm
CBC 06 L



dimensions shown are not binding
and may be changed without notice



for inserts:

- CDD 42 poles + ⊕
- CQE 18 poles + ⊕
- CSH 10 poles + ⊕
- CCE 10 poles + ⊕
- CNE, CSE, JCNE, JCSE 10 poles + ⊕
- CSS 10 poles + ⊕
- CTE, CTSE 10 poles + ⊕
- CMSE 3+2 (aux) poles + ⊕
- CMCE 3+2 (aux) poles + ⊕
- CX 8/24 poles + ⊕
- MIXO 3 seats

Insert fixing distance:
57 x 27 mm

hoods
for two levers

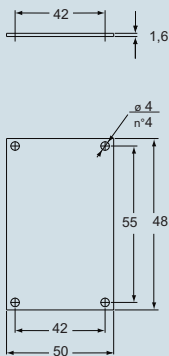


hoods
for two levers



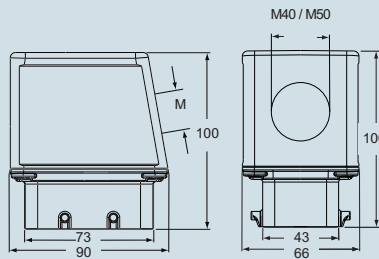
description	Part No.	entry		Part No.	entry	
			M			M
with pegs, side entry	MBO 10.40		40			
with pegs, side entry	MBO 10.50		50			
with pegs, top entry				MBV 10.40		40
with pegs, top entry				MBV 10.50		50

dimensions of electronic boards for MBO enclosures
side entry



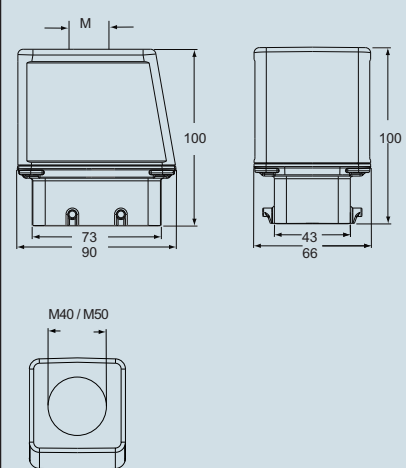
dimensions in mm

MBO 10



dimensions in mm

MBV 10



dimensions shown are not binding
and may be changed without notice

for inserts:

- CDD 42 poles + ⊕
- CQE 18 poles + ⊕
- CSH 10 poles + ⊕
- CCE 10 poles + ⊕
- CNE, CSE, JCNE, JCSE 10 poles + ⊕
- CSS 10 poles + ⊕
- CTE, CTSE 10 poles + ⊕
- CMSE 3+2 (aux) poles + ⊕
- CMCE 3+2 (aux) poles + ⊕
- CX 8/24 poles + ⊕
- MIXO 3 seats

Insert fixing distance:
57 x 27 mm

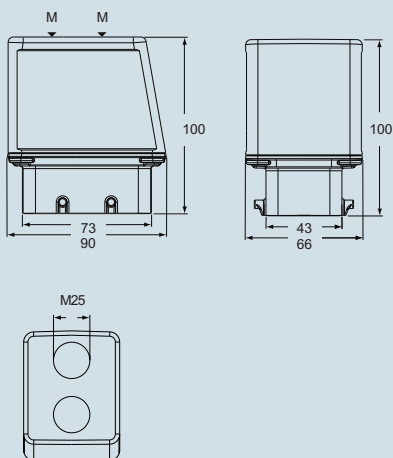
**hoods
for two levers**



description	Part No.	entry M
with pegs, top entry	MBV 10.225	25 x 2

dimensions in mm

MBV 10.225



dimensions shown are not binding
and may be changed without notice

for inserts:

- CDD 42 poles + ⊕
- CQE 18 poles + ⊕
- CSH 10 poles + ⊕
- CCE 10 poles + ⊕
- CNE, CSE, JCNE, JCSE 10 poles + ⊕
- CSS 10 poles + ⊕
- CTE, CTSE 10 poles + ⊕
- CMSE 3+2 (aux) poles + ⊕
- CMCE 3+2 (aux) poles + ⊕
- CX 8/24 poles + ⊕
- MIXO 3 seats

Insert fixing distance:
57 x 27 mm

hoods
for two levers

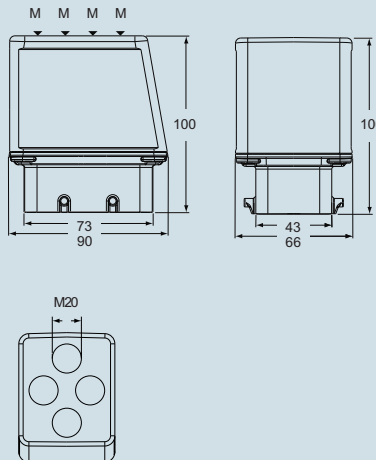


hoods
for two levers

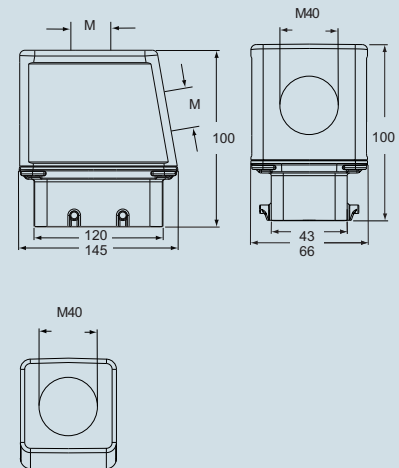


description	Part No.	entry	Part No.	entry
with pegs, top entry	MBV 10.420	M		
with pegs, side and top entries			MBVO 10.240	M

dimensions in mm
MBV 10.420



dimensions in mm
MBVO 10.240



dimensions shown are not binding
and may be changed without notice

for inserts:

- CDD 42 poles + ⊕
- CQE 18 poles + ⊕
- CSH 10 poles + ⊕
- CCE 10 poles + ⊕
- CNE, CSE, JCNE, JCSE 10 poles + ⊕
- CSS 10 poles + ⊕
- CTE, CTSE 10 poles + ⊕
- CMSE 3+2 (aux) poles + ⊕
- CMCE 3+2 (aux) poles + ⊕
- CX 8/24 poles + ⊕
- MIXO 3 seats

Insert fixing distance:
57 x 27 mm

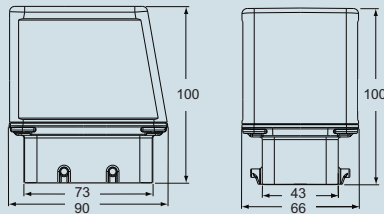
**hoods
for two levers**



description	Part No.
with pegs, without entries, designed to be drilled	CBC 10

dimensions in mm

CBC 10

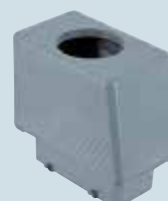


dimensions shown are not binding
and may be changed without notice

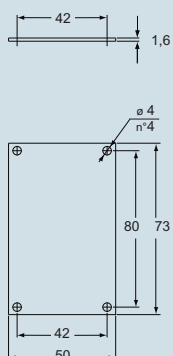
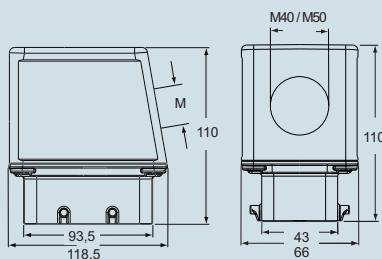
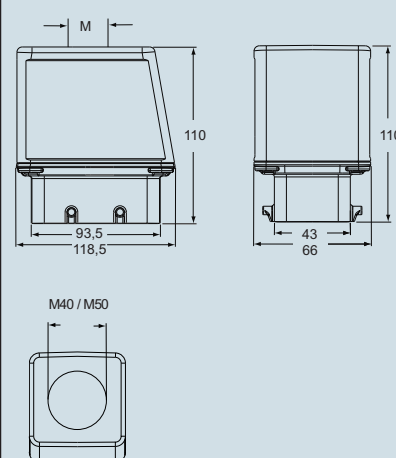
for inserts:

CD	40	poles + ⊕
CDD	72	poles + ⊕
CQE	32	poles + ⊕
CSH	16	poles + ⊕
CCE	16	poles + ⊕
CNE, CSE, JCNE, JCSE	16	poles + ⊕
CSS	16	poles + ⊕
CTE, CTSE (16A)....	16	poles + ⊕
CMSE	6+2 (aux)	poles + ⊕
CMCE	6+2 (aux)	poles + ⊕
CP	6	poles + ⊕
CX	6/36 and 12/2	poles + ⊕
CX	4/0 and 4/2	poles + ⊕
MIXO	4	seats

 Insert fixing distance:
77.5 x 27 mm
**hoods
for two levers**

**hoods
for two levers**


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
with pegs, top entry			MBV 16.50	50

 dimensions of electronic boards for MBO enclosures
 side entry

 dimensions in mm
MBO 16

 dimensions in mm
MBV 16

 dimensions shown are not binding
 and may be changed without notice

for inserts:

CD	40	poles + ⊕
CDD	72	poles + ⊕
CQE	32	poles + ⊕
CSH	16	poles + ⊕
CCE	16	poles + ⊕
CNE, CSE, JCNE, JCSE	16	poles + ⊕
CSS	16	poles + ⊕
CTE, CTSE (16A)....	16	poles + ⊕
CMSE	6+2 (aux)	poles + ⊕
CMCE	6+2 (aux)	poles + ⊕
CP	6	poles + ⊕
CX	6/36 and 12/2	poles + ⊕
CX	4/0 and 4/2	poles + ⊕
MIXO	4	seats

Insert fixing distance:
77.5 x 27 mm

hoods
for two levers

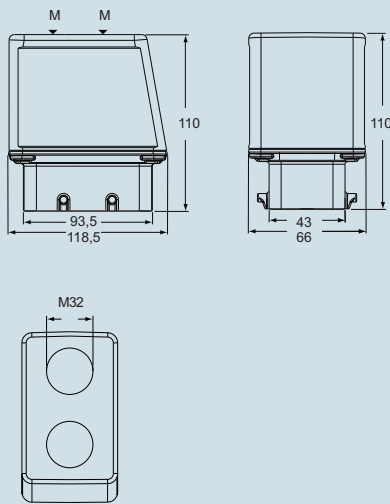


hoods
for two levers

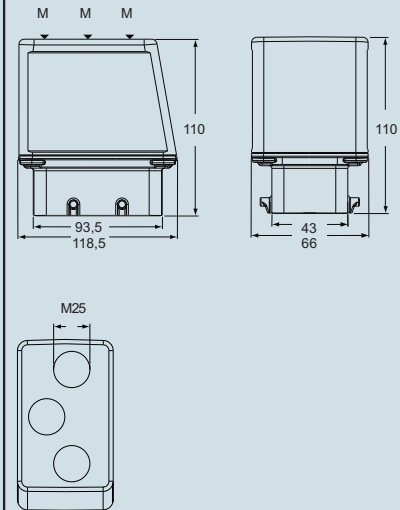


description	Part No.	entry M	Part No.	entry M
with pegs, top entry	MBV 16.232	32 x 2		
with pegs, top entry			MBV 16.325	25 x 3

dimensions in mm
MBV 16.232



dimensions in mm
MBV 16.325



dimensions shown are not binding
and may be changed without notice

for inserts:

CD	40	poles + ⊕
CDD	72	poles + ⊕
CQE	32	poles + ⊕
CSH	16	poles + ⊕
CCE	16	poles + ⊕
CNE, CSE, JCNE, JCSE	16	poles + ⊕
CSS	16	poles + ⊕
CTE, CTSE (16A)....	16	poles + ⊕
CMSE	6+2 (aux)	poles + ⊕
CMCE	6+2 (aux)	poles + ⊕
CP	6	poles + ⊕
CX	6/36 and 12/2	poles + ⊕
CX	4/0 and 4/2	poles + ⊕
MIXO	4	seats

Insert fixing distance:
77.5 x 27 mm

hoods
for two levers



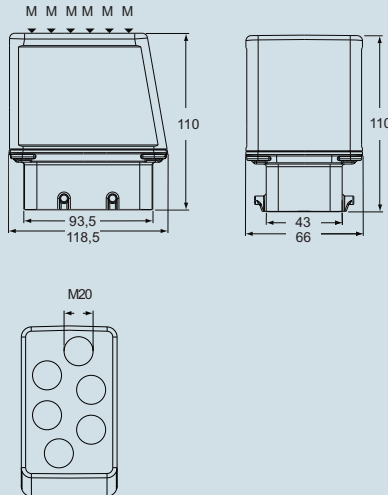
hoods
for two levers



description	Part No.	entry M	Part No.	entry M
with pegs, top entry	MBV 16.620	20 x 6		
with pegs, side entry			MBO 16.225	25 x 2

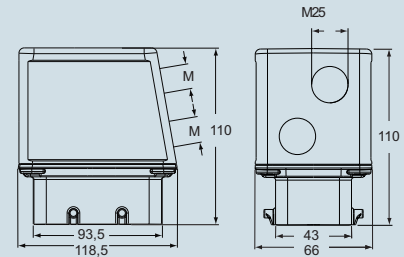
dimensions in mm

MBV 16.620



dimensions in mm

MBO 16.225



dimensions shown are not binding
and may be changed without notice

for inserts:

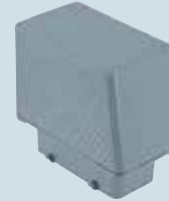
CD	40	poles + ⊕
CDD	72	poles + ⊕
CQE	32	poles + ⊕
CSH	16	poles + ⊕
CCE	16	poles + ⊕
CNE, CSE, JCNE, JCSE	16	poles + ⊕
CSS	16	poles + ⊕
CTE, CTSE (16A)....	16	poles + ⊕
CMSE	6+2 (aux)	poles + ⊕
CMCE	6+2 (aux)	poles + ⊕
CP	6	poles + ⊕
CX	6/36 and 12/2	poles + ⊕
CX	4/0 and 4/2	poles + ⊕
MIXO	4	seats

Insert fixing distance:
77.5 x 27 mm

**hoods
for two levers**



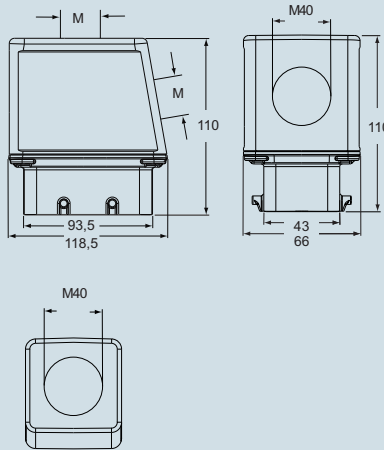
**hoods
for two levers**



description	Part No.	entry M	Part No.
with pegs, side and top entries	MBVO 16.240	40 x 2	
with pegs, without entries, designed to be drilled			CBC 16

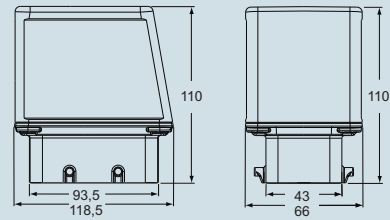
dimensions in mm

MBVO 16.240



dimensions in mm

CBC 16



dimensions shown are not binding
and may be changed without notice

for inserts:

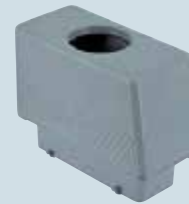
- CD 64 poles + ⊕
- CDD 108 poles + ⊕
- CQE 46 poles + ⊕
- CSH 24 poles + ⊕
- CCE 24 poles + ⊕
- CNE, CSE, JCNE, JCSE 24 poles + ⊕
- CSS 24 poles + ⊕
- CTE, CTSE (16A).... 24 poles + ⊕
- CMSE 10+2 (aux) poles + ⊕
- CMCE 10+2 (aux) poles + ⊕
- CX 4/8 poles + ⊕
- MIXO 6 seats

Insert fixing distance:
104 x 27 mm

**hoods
for two levers**

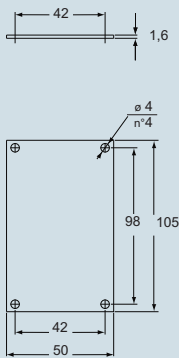


**hoods
for two levers**



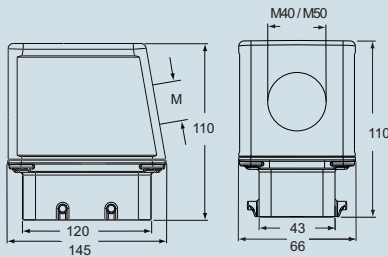
description	Part No.	entry M	Part No.	entry M
with pegs, side entry	MBO 24.40	40		
with pegs, side entry,	MBO 24.50	50		
with pegs, top entry			MBV 24.40	40
with pegs, top entry			MBV 24.50	50

dimensions of electronic boards for MBO enclosures
side entry



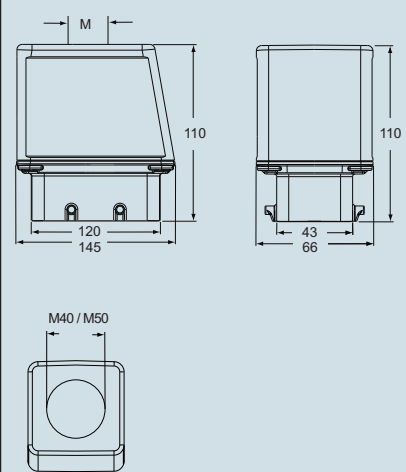
dimensions in mm

MBO 24



dimensions in mm

MBV 24



dimensions shown are not binding
and may be changed without notice

for inserts:

- CD 64 poles + ⊕
- CDD 108 poles + ⊕
- CQE 46 poles + ⊕
- CSH 24 poles + ⊕
- CCE 24 poles + ⊕
- CNE, CSE, JCNE, JCSE 24 poles + ⊕
- CSS 24 poles + ⊕
- CTE, CTSE (16A).... 24 poles + ⊕
- CMSE 10+2 (aux) poles + ⊕
- CMCE 10+2 (aux) poles + ⊕
- CX 4/8 poles + ⊕
- MIXO 6 seats

Insert fixing distance:
104 x 27 mm

hoods
for two levers

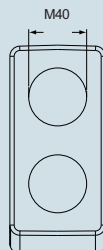
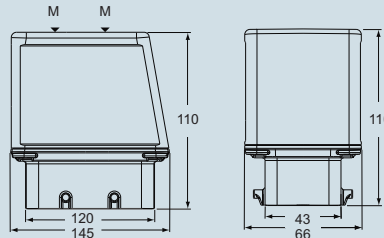


hoods
for two levers

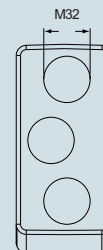
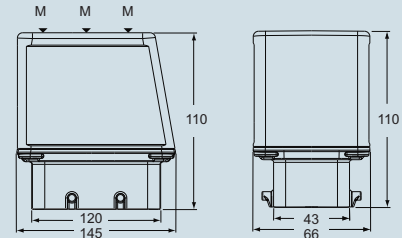


description	Part No.	entry	Part No.	entry
with pegs, top entry	MBV 24.240	M		
		40 x 2		
with pegs, top entry			MBV 24.332	M
				32 x 3

dimensions in mm
MBV 24.240



dimensions in mm
MBV 24.332



dimensions shown are not binding
and may be changed without notice

for inserts:

- CD 64 poles + ⊕
- CDD 108 poles + ⊕
- CQE 46 poles + ⊕
- CSH 24 poles + ⊕
- CCE 24 poles + ⊕
- CNE, CSE, JCNE, JCSE 24 poles + ⊕
- CSS 24 poles + ⊕
- CTE, CTSE (16A).... 24 poles + ⊕
- CMSE 10+2 (aux) poles + ⊕
- CMCE 10+2 (aux) poles + ⊕
- CX 4/8 poles + ⊕
- MIXO 6 seats

Insert fixing distance:
104 x 27 mm

hoods
for two levers



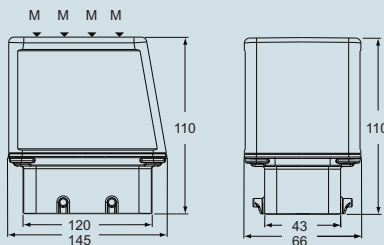
hoods
for two levers



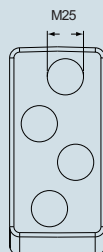
description	Part No.	entry M	Part No.	entry M
with pegs, top entry	MBV 24.425	25 x 4		
with pegs, top entry	MBV 24.720	20 x 7		
with pegs, side entry			MBO 24.225	25 x 2

dimensions in mm

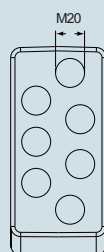
MBV 24



MBV 24.425

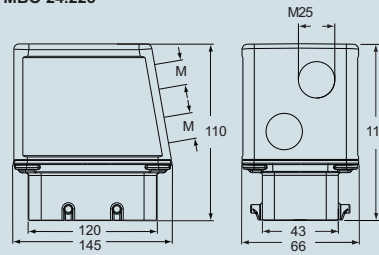


MBV 24.720



dimensions in mm

MBO 24.225



dimensions shown are not binding
and may be changed without notice

for inserts:

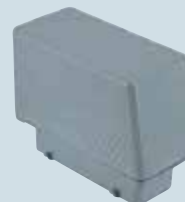
CD	64	poles + ⊕
CDD	108	poles + ⊕
CQE	46	poles + ⊕
CSH	24	poles + ⊕
CCE	24	poles + ⊕
CNE, CSE, JCNE, JCSE	24	poles + ⊕
CSS	24	poles + ⊕
CTE, CTSE (16A)	24	poles + ⊕
CMSE	10+2 (aux)	poles + ⊕
CMCE	10+2 (aux)	poles + ⊕
CX	4/8	poles + ⊕
MIXO	6	seats

page

hoods
for two levers



hoods
for two levers

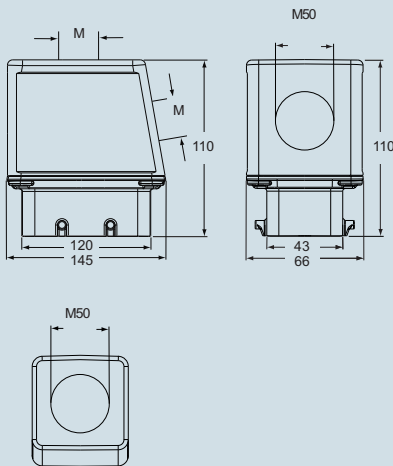


Insert fixing distance:
104 x 27 mm

description	Part No.	entry M	Part No.
with pegs, side ant top entries	MBVO 24.250	50 x 2	
with pegs, without entries, designed to be drilled			CBC 24

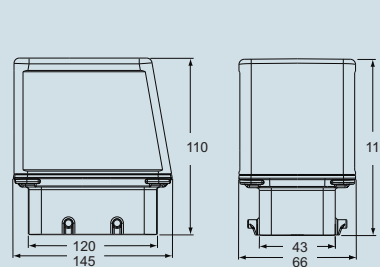
dimensions in mm

MBVO 24.250



dimensions in mm

CBC 24



dimensions shown are not binding
and may be changed without notice