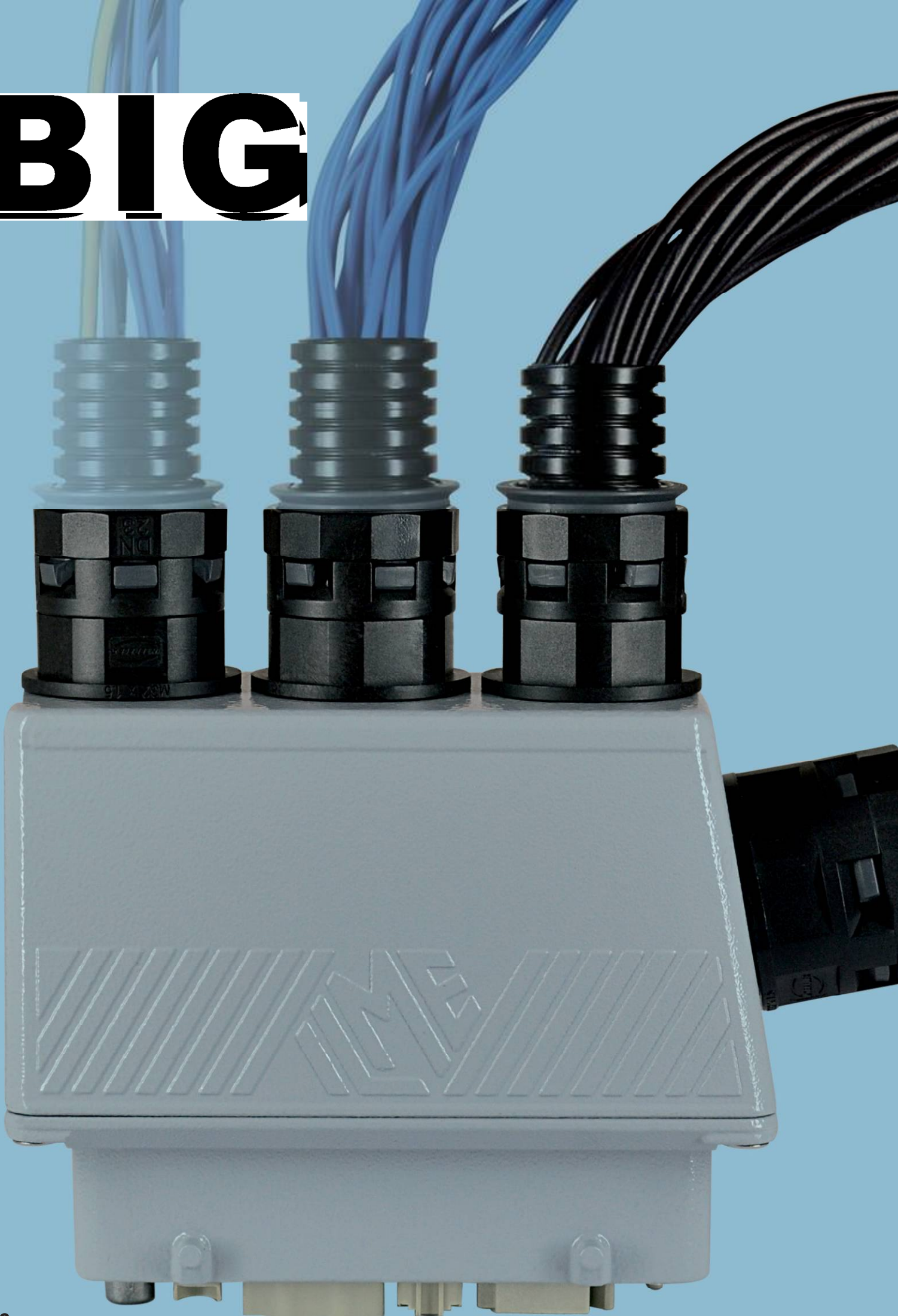


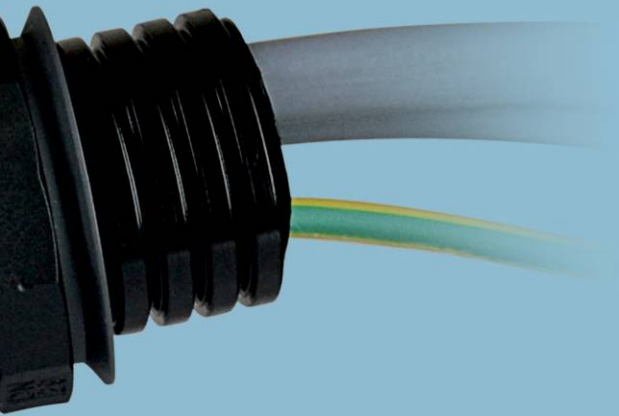
BIG

BIG - overview





Creating Connectors



LARGE
MODULAR
ENCLOSURE



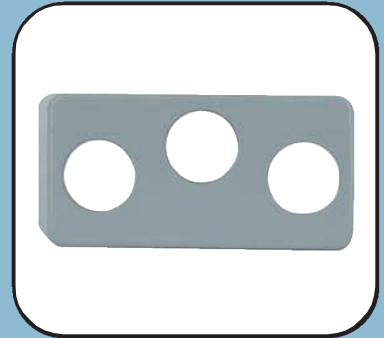
MORE ENTRIES
AND SPACE
FOR CABLES



EASY
WIRING AND
INSPECTION



ELECTRONIC
BOARD
SLOTS



BIG

THE SPACE YOU HAVE ALWAYS WANTED...

BIG Enclosures

The space you have always wanted

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 new enclosures **integrate the existing range** and are **ideal for installations with structured and complex wiring**.

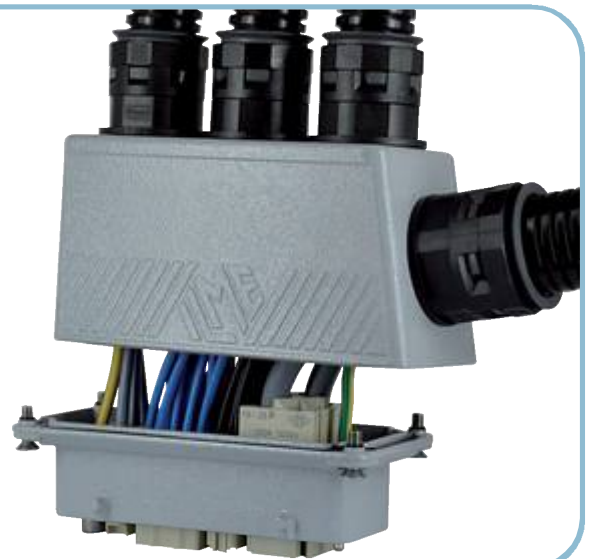
Accurate design

The **large dimensions** of these innovative enclosures have been chosen to offer customers an **adequate space to store conductors**. The **width** of the new enclosures is **greater than that of previous versions**: 66mm 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 fiber 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).



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 compared to standard versions are:

- M40 and M50 thread also in smaller sizes ("44.27"). To date, the maximum thread size for standard "44.27" enclosures is M32.
- M50 thread also for size "57.27" (in standard enclosures the maximum thread size is M40).
- up to 7 threaded entries in the same enclosure.



Size "44.27"
3 M20 threaded entries



Size "57.27"
4 M20 threaded entries



Size "77.27"
6 M20 threaded entries



Size "104.27"
7 M20 threaded entries



enclosures with 2 horizontal threads
on the same side



enclosures with 2 cable entries,
1 horizontal and 1 vertical



enclosure with front holes



enclosure without holes

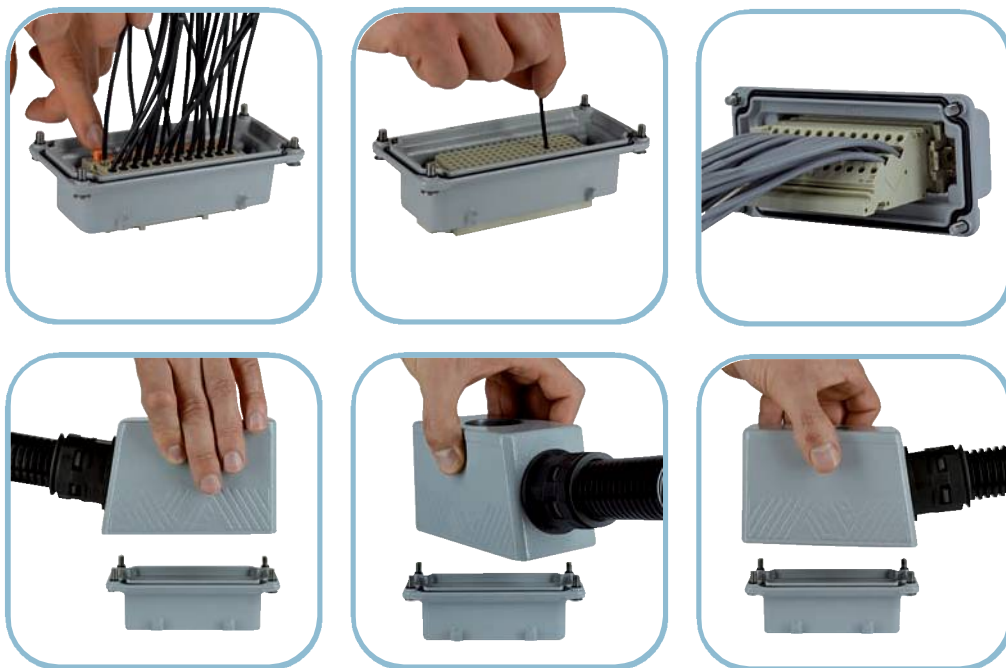
There are also versions with 2 horizontal threads on the same side or 2 threaded entries, 1 horizontal and 1 vertical.

A version with front holes is available on request.

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.



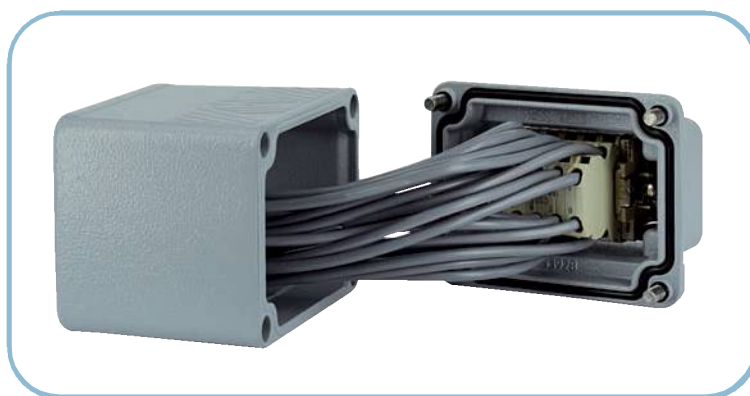
In the event of incorrect assembly, it is possible to rotate the upper half of the enclosure by 180° in order to move the cable entry to the other side.

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 now use CT/CTSE 6/10/16/24 inserts in hoods.



CRIMP



SCREW



SPRING

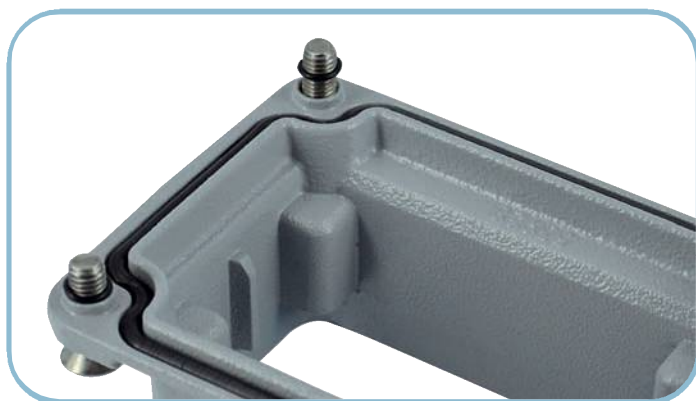


SQUICH

Options for the connection of control and signalling devices

All the five walls of the upper 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 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.

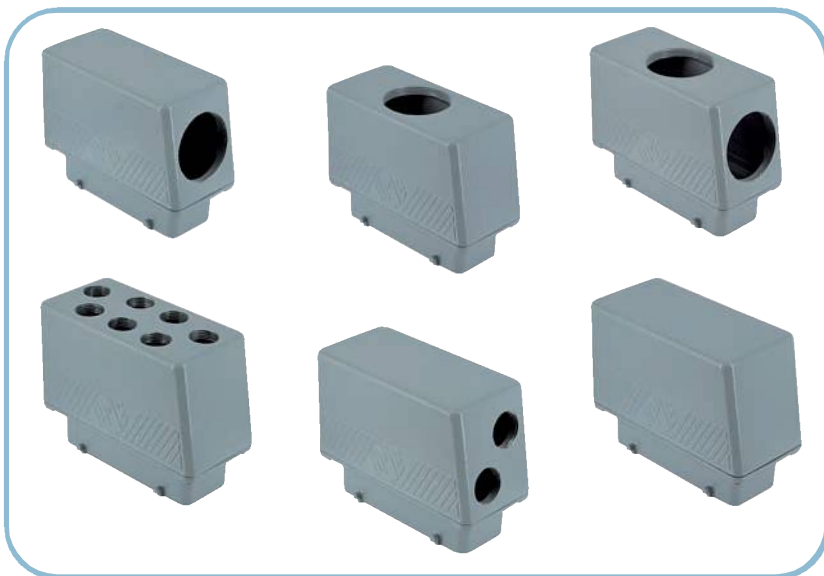
Range

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.



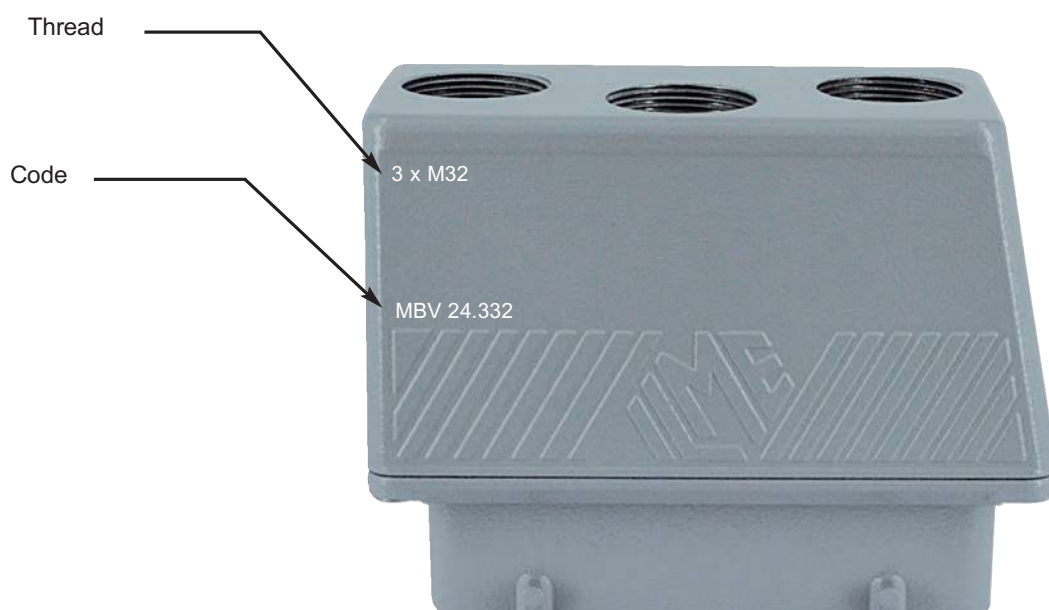
Technical characteristics

- 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 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.
- 3) Ambient temperature range -40°C / +125°C.
- 4) Versions for class W aggressive environments are also available on request.



Markings

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





inserts:		page
CDD	24 poles + ⊕	59
CQE	10 poles + ⊕	80
CSH	6 poles + ⊕	88
CCE	6 poles + ⊕	94
CNE, CSE, JCNE, JCSE ..	6 poles + ⊕ 95 and 106	
CSS	6 poles + ⊕	118
CT, CTE, CTSE	6 poles + ⊕ 126 and 130	
MIXO	2 modules	156÷195

insert centre distance:
44 x 27 mm

hoods with 2 pegs



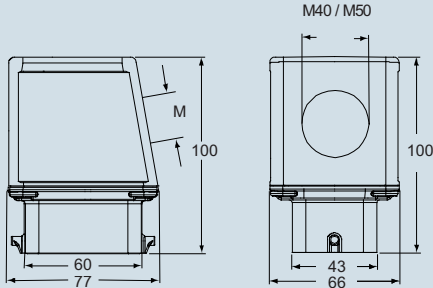
hoods with 2 pegs



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
with pegs, top entry			MBV 06 L50	50

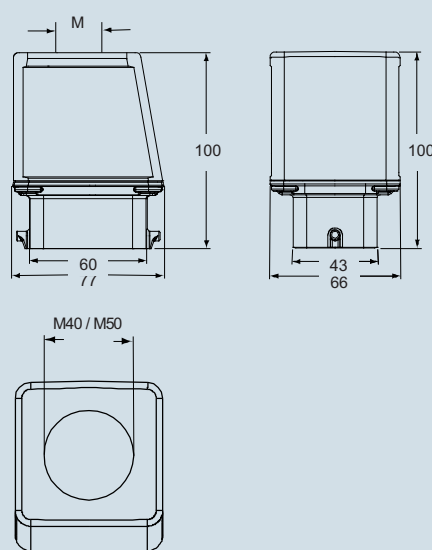
dimensions in mm

MBO 06 L



dimensions in mm

MBV 06 L



dimensions shown are not binding
and may be changed without notice



inserts:		page
CDD	24 poles + ⊕	59
CQE	10 poles + ⊕	80
CSH	6 poles + ⊕	88
CCE	6 poles + ⊕	94
CNE, CSE, JCNE, JCSE ..	6 poles + ⊕ 95 and 106	
CSS	6 poles + ⊕	118
CT, CTE, CTSE	6 poles + ⊕ 126 and 130	
MIXO	2 modules	156÷195

insert centre distance:
44 x 27 mm

hoods with 2 pegs

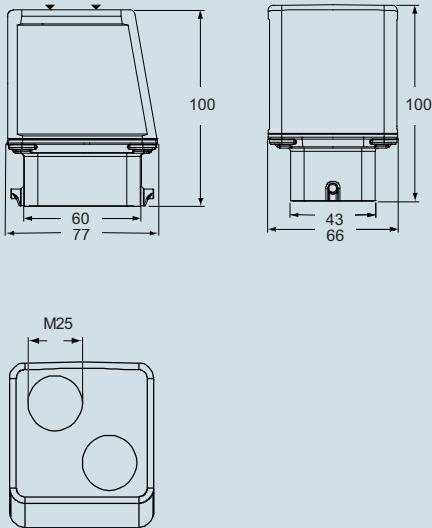


hoods with 2 pegs

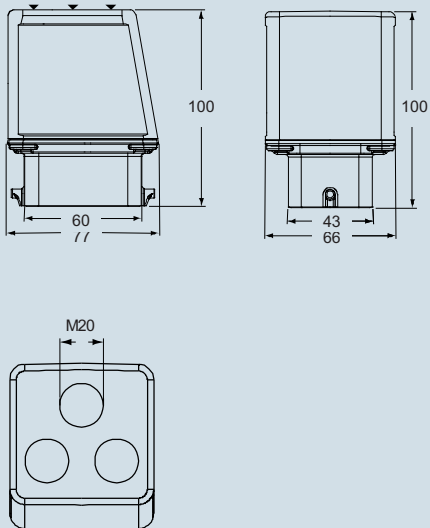


description	part no.	entry M	part no.	entry M
with pegs, top entry	MBV 06 L225	25 x 2		
with pegs, top entry			MBV 06 L320	20 x 3

dimensions in mm
MBV 06 L225



dimensions in mm
MBV 06 L320



dimensions shown are not binding
and may be changed without notice



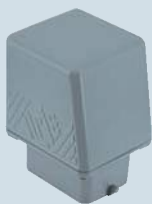
inserts:		page
CDD	24 poles + ⊕	59
CQE	10 poles + ⊕	80
CSH	6 poles + ⊕	88
CCE	6 poles + ⊕	94
CNE, CSE, JCNE, JCSE	6 poles + ⊕ 95 and 106	
CSS	6 poles + ⊕	118
CT, CTE, CTSE	6 poles + ⊕ 126 and 130	
MIXO	2 modules	156÷195

insert centre distance:
44 x 27 mm

hoods with 2 pegs

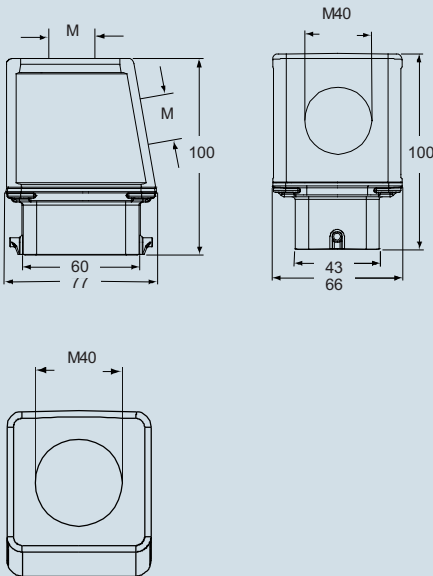


hoods with 2 pegs

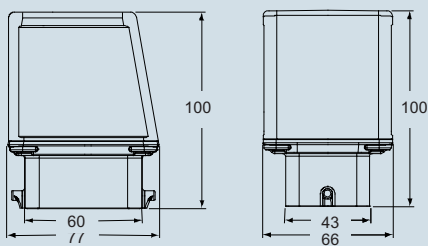


description	part no.	entry M	part no.
with pegs, side and top entries	MBVO 06 L240	2 x 40	
with pegs, without entries, designed to be drilled			CBC 06 L

dimensions in mm
MBVO 06 L240



dimensions in mm
CBC 06 L



dimensions shown are not binding
and may be changed without notice





inserts:		page
CDD	42 poles + ⊕	61
CQE	18 poles + ⊕	81
CSH	10 poles + ⊕	89
CCE	10 poles + ⊕	96
CNE, CSE, JCNE, JCSE	10 poles + ⊕ 97 and 107	
CSS	10 poles + ⊕	119
CT, CTE, CTSE	10 poles + ⊕ 127 and 131	
CMSE	3+2 (aux) poles + ⊕	135
CMCE	3+2 (aux) poles + ⊕	134
CX	8/24 poles + ⊕	151
MIXO	3 modules	156+195

insert centre distance:
57 x 27 mm

hoods with 4 pegs

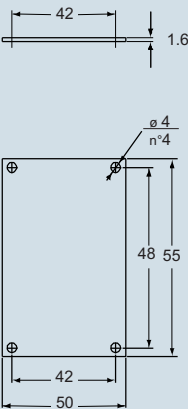


hoods with 4 pegs



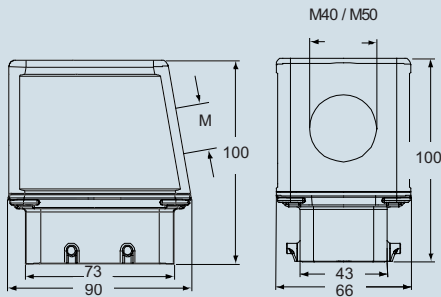
description	part no.	entry M	part no.	entry M
with pegs, side entry	MBO 10.40	40		
with pegs, side entry	MBO 10.50	50		
with pegs, top entry			MBV 10.40	40
with pegs, top entry			MBV 10.50	50

Dimensions of electronic boards for MBO enclosures
side entry



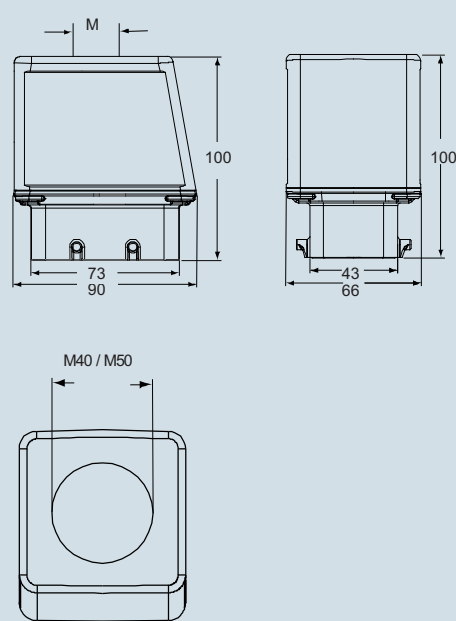
dimensions in mm

MBO 10



dimensions in mm

MBV 10



dimensions shown are not binding
and may be changed without notice



inserts:		page
CDD	42 poles + ⊕	61
CQE	18 poles + ⊕	81
CSH	10 poles + ⊕	89
CCE	10 poles + ⊕	96
CNE, CSE, JCNE, JCSE	10 poles + ⊕	97 and 107
CSS	10 poles + ⊕	119
CT, CTE, CTSE	10 poles + ⊕	127 and 131
CMSE	3+2 (aux) poles + ⊕	135
CMCE	3+2 (aux) poles + ⊕	134
CX	8/24 poles + ⊕	151
MIXO	3 modules	156+195

insert centre distance:
57 x 27 mm

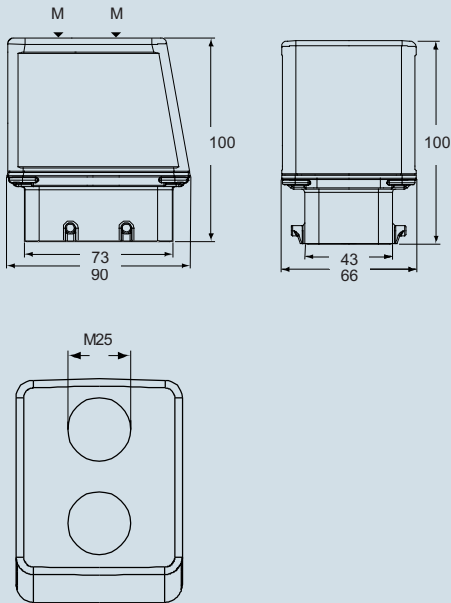
hoods with 4 pegs



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

inserts:		page
CDD	42 poles + ⊕	61
CQE	18 poles + ⊕	81
CSH	10 poles + ⊕	89
CCE	10 poles + ⊕	96
CNE, CSE, JCNE, JCSE	10 poles + ⊕ 97 and 107	
CSS	10 poles + ⊕	119
CT, CTE, CTSE	10 poles + ⊕ 127 and 131	
CMSE	3+2 (aux) poles + ⊕	135
CMCE	3+2 (aux) poles + ⊕	134
CX	8/24 poles + ⊕	151
MIXO	3 modules	156+195

insert centre distance:
57 x 27 mm

hoods with 4 pegs



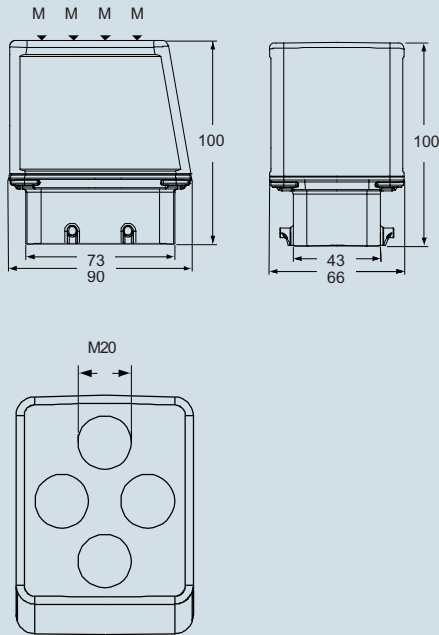
hoods with 4 pegs



description	part no.	entry M	part no.	entry M
with pegs, top entry	MBV 10.420	20 x 4		
with pegs, side and top entries			MBVO 10.240	40 x 2

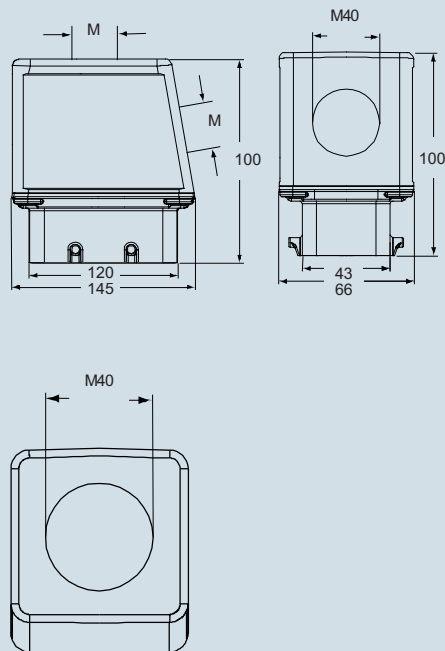
dimensions in mm

MBV 10.420



dimensions in mm

MBVO 10.240

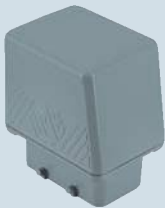


dimensions shown are not binding
and may be changed without notice

inserts:		page
CDD	42 poles + ⊕	61
CQE	18 poles + ⊕	81
CSH	10 poles + ⊕	89
CCE	10 poles + ⊕	96
CNE, CSE, JCNE, JCSE	10 poles + ⊕	97 and 107
CSS	10 poles + ⊕	119
CT, CTE, CTSE	10 poles + ⊕	127 and 131
CMSE	3+2 (aux) poles + ⊕	135
CMCE	3+2 (aux) poles + ⊕	134
CX	8/24 poles + ⊕	151
MIXO	3 modules	156+195

insert centre distance:
57 x 27 mm

hoods with 4 pegs



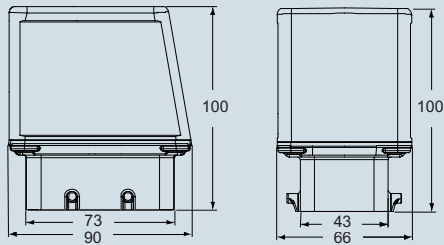
description	part no.
-------------	----------

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



inserts:		page
CD	40 poles + ⊕	49
CDD	72 poles + ⊕	62
CQE	32 poles + ⊕	82
CSH	16 poles + ⊕	90
CCE	16 poles + ⊕	98
CNE, CSE, JCNE, JCSE ..	16 poles + ⊕	99 and 108
CSS	16 poles + ⊕	120
CT, CTE, CTSE (16A) ..	16 poles + ⊕	128 and 132
CMSE	6+2 (aux) poles + ⊕	137
CMCE	6+2 (aux) poles + ⊕	136
CP	6 poles + ⊕	149
CX	6/36 and 12/2 poles + ⊕	152+153
CX	4/0 and 4/2 poles + ⊕	154
MIXO	4 modules	156+195

insert centre distance:
77.5 x 27 mm

hoods with 4 pegs



hoods with 4 pegs



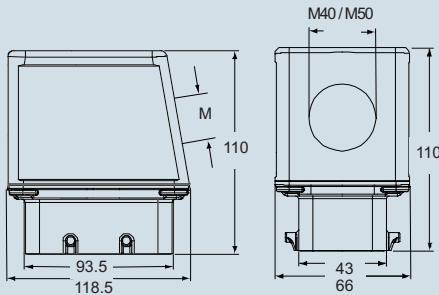
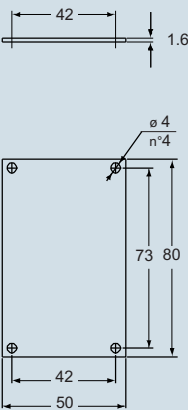
description
with pegs, side entry
with pegs, side entry
with pegs, top entry
with pegs, top entry

part no.	entry M
MBO 16.40	40
MBO 16.50	50

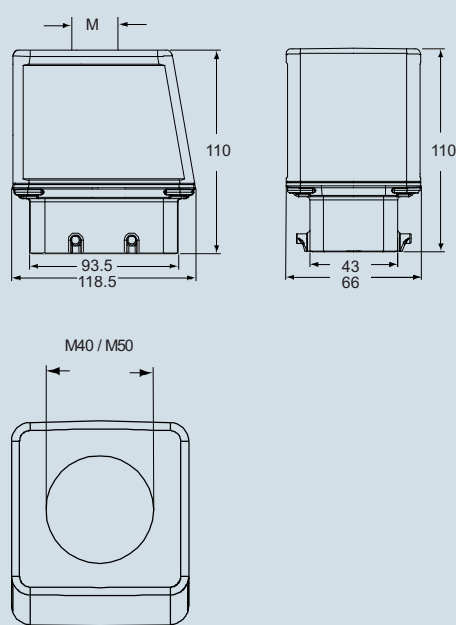
part no.	entry M
MBV 16.40	40
MBV 16.50	50

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

inserts:		page
CD	40 poles + ⊕	49
CDD	72 poles + ⊕	62
CQE	32 poles + ⊕	82
CSH	16 poles + ⊕	90
CCE	16 poles + ⊕	98
CNE, CSE, JCNE, JCSE ..	16 poles + ⊕ 99 and 108	
CSS	16 poles + ⊕	120
CT, CTE, CTSE (16A) ..	16 poles + ⊕ 128 and 132	
CMSE	6+2 (aux) poles + ⊕	137
CMCE	6+2 (aux) poles + ⊕	136
CP	6 poles + ⊕	149
CX	6/36 and 12/2 poles + ⊕	152+153
CX	4/0 and 4/2 poles + ⊕	154
MIXO	4 modules	156+195

insert centre distance:
77.5 x 27 mm

hoods with 4 pegs

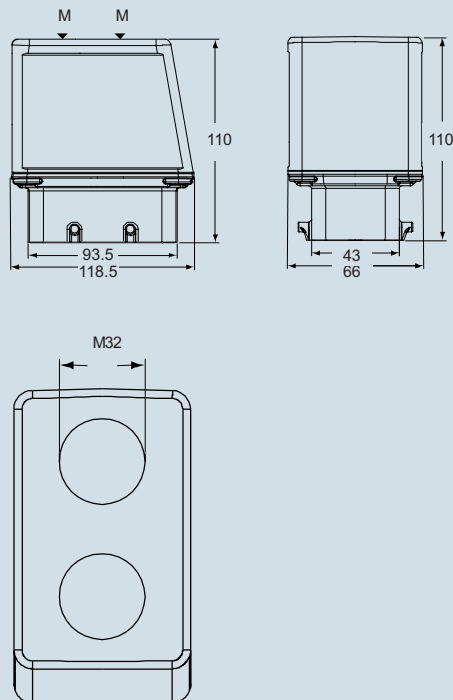


hoods with 4 pegs

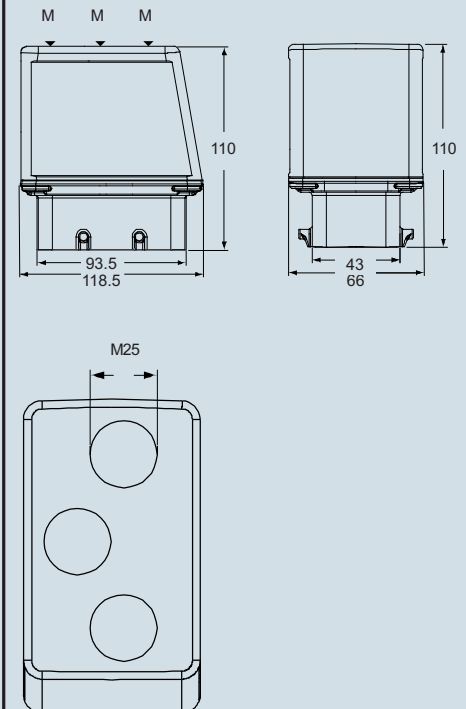


description	part no.	entry M	part no.	entry M
with pegs, top entry	MBV 16.232	32 x 2	MBV 16.325	25 x 3
with pegs, top entry				

dimensions in mm
MBV 16.232



dimensions in mm
MBV 16.325



dimensions shown are not binding
and may be changed without notice

inserts:		page
CD	40 poles + ⊕	49
CDD	72 poles + ⊕	62
CQE	32 poles + ⊕	82
CSH	16 poles + ⊕	90
CCE	16 poles + ⊕	98
CNE, CSE, JCNE, JCSE	16 poles + ⊕ 99 and 108	
CSS	16 poles + ⊕	120
CT, CTE, CTSE (16A) ..	16 poles + ⊕ 128 and 132	
CMSE	6+2 (aux) poles + ⊕	137
CMCE	6+2 (aux) poles + ⊕	136
CP	6 poles + ⊕	149
CX	6/36 and 12/2 poles + ⊕	152+153
CX	4/0 and 4/2 poles + ⊕	154
MIXO	4 modules	156+195

insert centre distance:
77.5 x 27 mm

hoods with 4 pegs



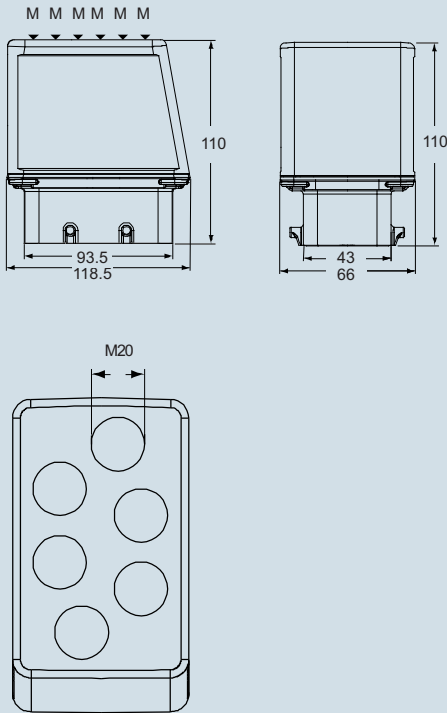
hoods with 4 pegs



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

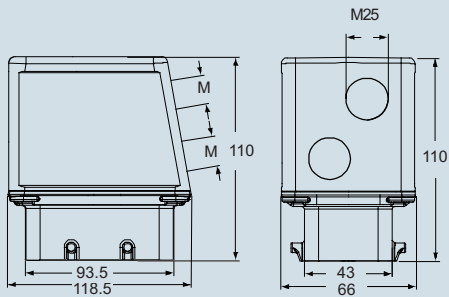
dimensions in mm

MBV 16.620



dimensions in mm

MBO 16.225



dimensions shown are not binding
and may be changed without notice

inserts:		page
CD	40 poles + ⊕	49
CDD	72 poles + ⊕	62
CQE	32 poles + ⊕	82
CSH	16 poles + ⊕	90
CCE	16 poles + ⊕	98
CNE, CSE, JCNE, JCSE	16 poles + ⊕	99 and 108
CSS	16 poles + ⊕	120
CT, CTE, CTSE (16A) ..	16 poles + ⊕	128 and 132
CMSE	6+2 (aux) poles + ⊕	137
CMCE	6+2 (aux) poles + ⊕	136
CP	6 poles + ⊕	49
CX	6/36 and 12/2 poles + ⊕	152+153
CX	4/0 and 4/2 poles + ⊕	154
MIXO	4 modules	156+195

insert centre distance:
77.5 x 27 mm

hoods with 4 pegs



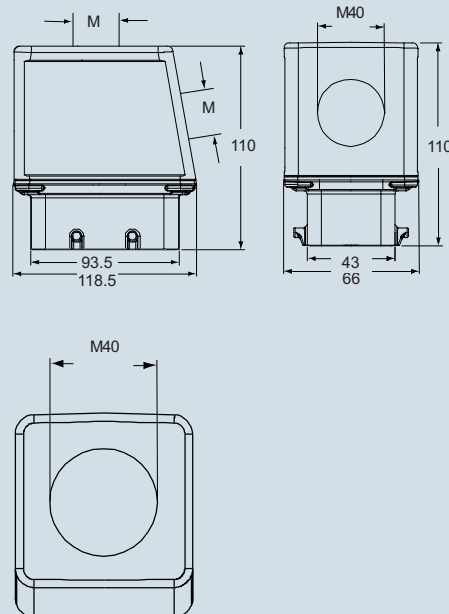
hoods with 4 pegs



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

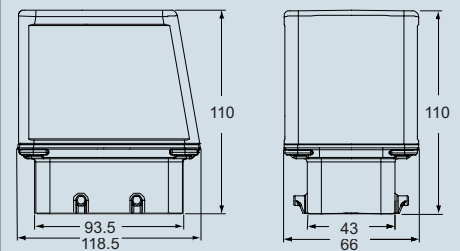
dimensions in mm

MBVO 16.240



dimensions in mm

CBC 16



dimensions shown are not binding
and may be changed without notice



inserts:		page
CD	64 poles + ⊕	51
CDD	108 poles + ⊕	64
CQE	46 poles + ⊕	83
CSH	24 poles + ⊕	91
CCE	24 poles + ⊕	100
CNE, CSE, JCNE, JCSE..	24 poles + ⊕ 101 and 109	
CSS	24 poles + ⊕	121
CT, CTE, CTSE (16A)..	24 poles + ⊕ 129 and 133	
CMSE	10+2 (aux) poles + ⊕	139
CMCE	10+2 (aux) poles + ⊕	138
CX	4/8 poles + ⊕	155
MIXO	6 modules	156+195

insert centre distance:
104 x 27 mm

hoods with 4 pegs

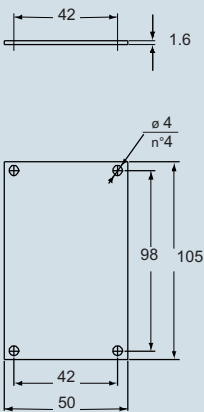


hoods with 4 pegs



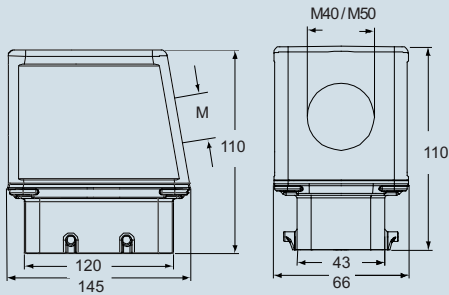
description	part no.	entry M	part no.	entry M
with pegs, side entry	MBO 2440	40		
with pegs, side entry,	MBO 24.50	50		
with pegs, top entry			MBV 24.40	40
with pegs, top entry			MBV 2450	50

Dimensions of electronic boards for MBO enclosures
side entry



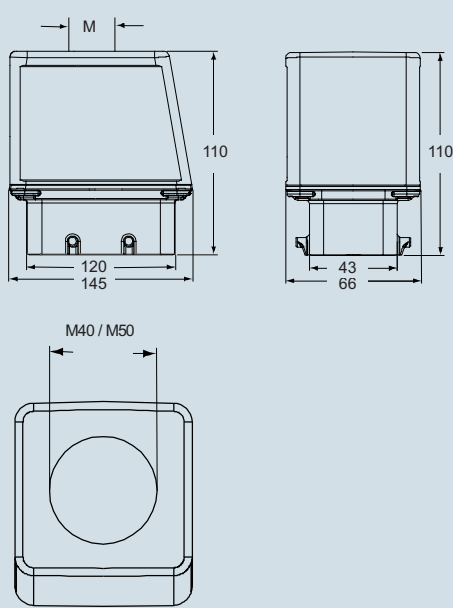
dimensions in mm

MBO 24



dimensions in mm

MBV 24



dimensions shown are not binding
and may be changed without notice



inserts:		page
CD	64 poles + ⊕	51
CDD	108 poles + ⊕	64
CQE	46 poles + ⊕	83
CSH	24 poles + ⊕	91
CCE	24 poles + ⊕	100
CNE, CSE, JCNE, JCSE..	24 poles + ⊕ 101 and 109	
CSS	24 poles + ⊕	121
CT, CTE, CTSE (16A)..	24 poles + ⊕ 129 and 133	
CMSE	10+2 (aux) poles + ⊕	139
CMCE	10+2 (aux) poles + ⊕	138
CX	4/8 poles + ⊕	155
MIXO	6 modules	156+195

insert centre distance:
104 x 27 mm

hoods with 4 pegs



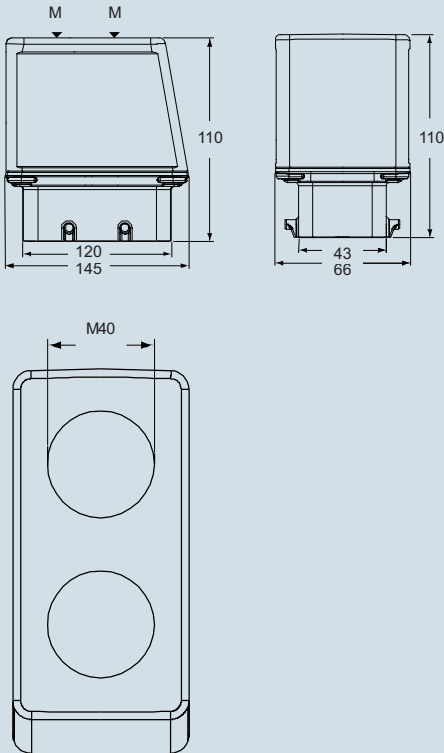
hoods with 4 pegs



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

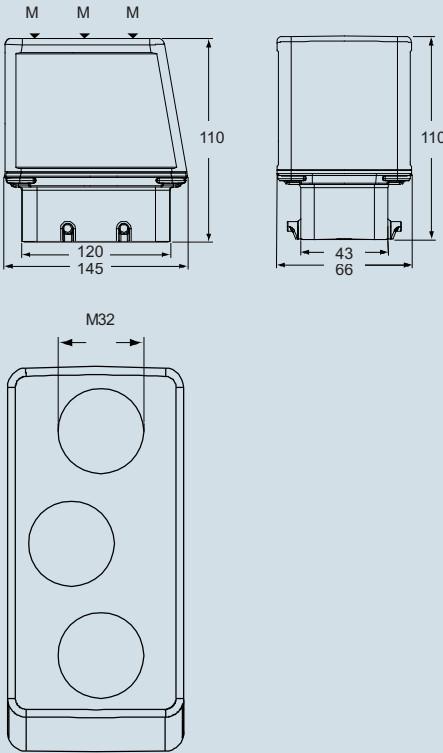
dimensions in mm

MBV 24.240



dimensions in mm

MBV 24.332



dimensions shown are not binding
and may be changed without notice

inserts:		page
CD	64 poles + ⊕	51
CDD	108 poles + ⊕	64
CQE	46 poles + ⊕	83
CSH	24 poles + ⊕	91
CCE	24 poles + ⊕	100
CNE, CSE, JCNE, JCSE..	24 poles + ⊕ 101 and 109	
CSS	24 poles + ⊕	121
CT, CTE, CTSE (16A)..	24 poles + ⊕ 129 and 133	
CMSE	10+2 (aux) poles + ⊕	139
CMCE	10+2 (aux) poles + ⊕	138
CX	4/8 poles + ⊕	155
MIXO	6 modules	156+195

insert centre distance:
104 x 27 mm

hoods with 4 pegs



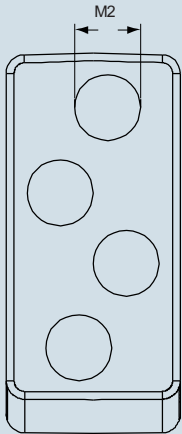
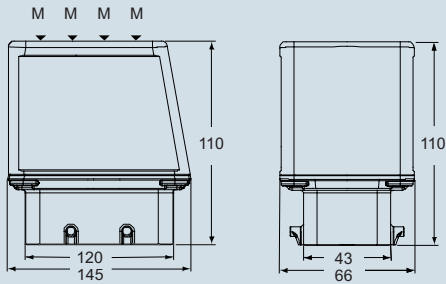
hoods with 4 pegs



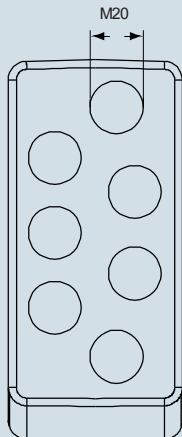
description		part no.	entry M
with pegs, top entry		MBV 24.425	25 x 4
with pegs, top entry		MBV 24.720	20 x 7
with pegs, side entry		MBO 24,225	25 x 2

dimensions in mm

MBV 24



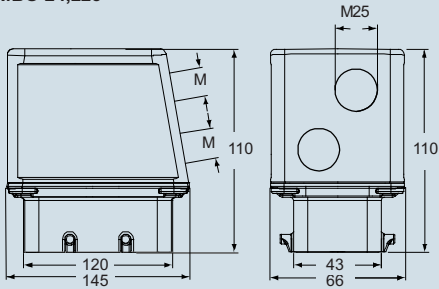
MBV 24.425



MBV 24.720

dimensions in mm

MBO 24,225



dimensions shown are not binding
and may be changed without notice



inserts:		page
CD	64 poles + ⊕	51
CDD	108 poles + ⊕	64
CQE	46 poles + ⊕	83
CSH	24 poles + ⊕	91
CCE	24 poles + ⊕	100
CNE, CSE, JCNE, JCSE..	24 poles + ⊕ 101 and 109	
CSS	24 poles + ⊕	121
CT, CTE, CTSE (16A)..	24 poles + ⊕ 129 and 133	
CMSE	10+2 (aux) poles + ⊕	139
CMCE	10+2 (aux) poles + ⊕	138
CX	4/8 poles + ⊕	155
MIXO	6 modules	156+195

insert centre distance:
104 x 27 mm

hoods with 4 pegs



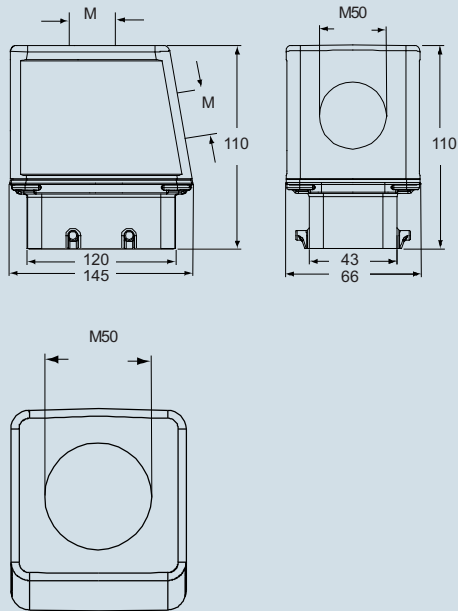
hoods with 4 pegs



description	part no.	entry M	part no.
with pegs, side and top entries	MBVO 24.250	50 x 2	
with pegs, without entries, designed to be drilled			CBC 24

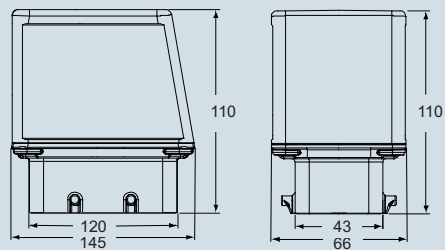
dimensions in mm

MBVO 24.250



dimensions in mm

CBC 24



dimensions shown are not binding
and may be changed without notice