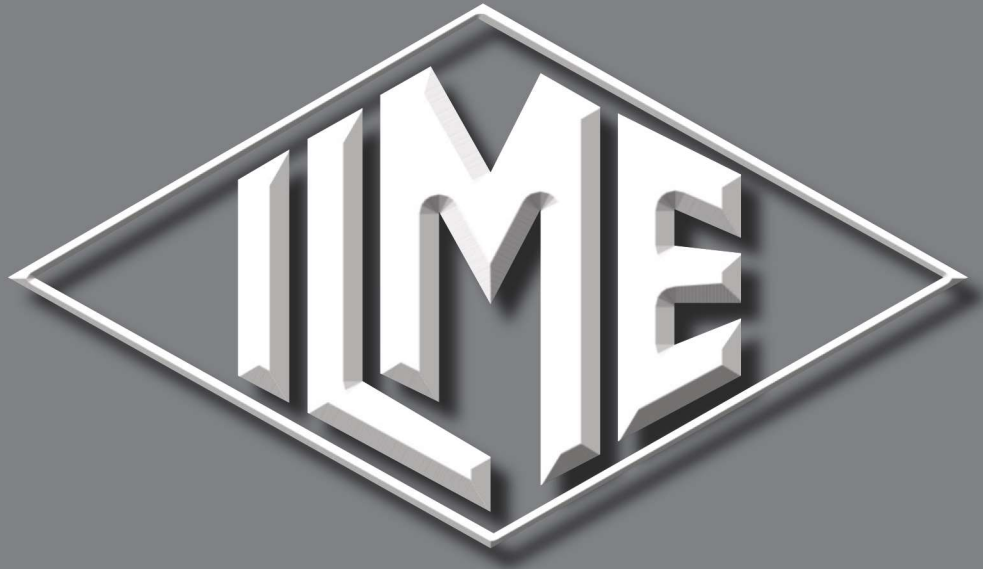
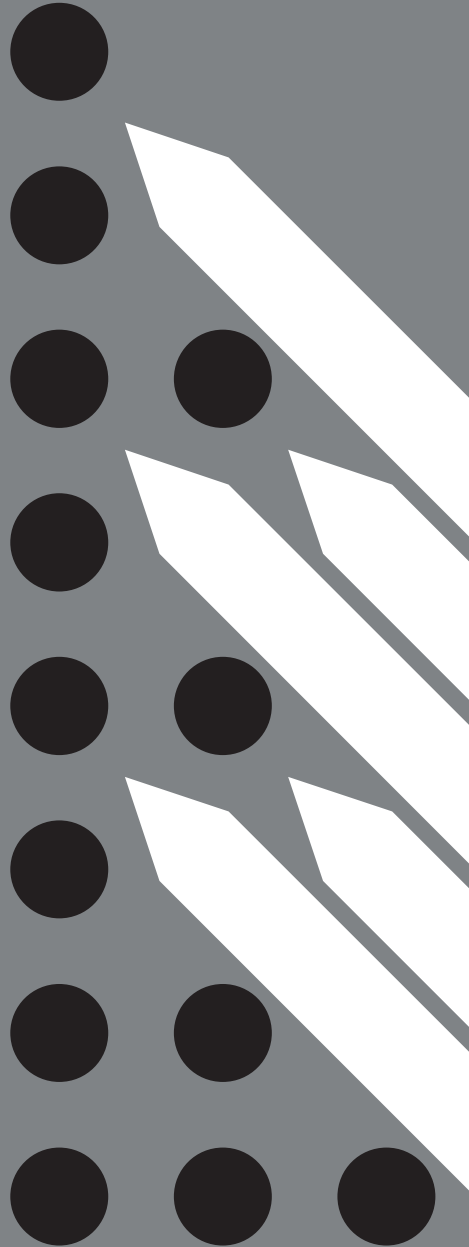


Multipole connectors
New products 2017



News 2017



The Company and the Product

I.L.M.E. SpA - INDUSTRIA LOMBARDA MATERIALE ELETTRICO - has been operating in Milan since 1938, in particular in the electrotechnical sector for the manufacturing of equipment for industrial installations.

ILME reflects the traditional **entrepreneurial spirit of Lombardy**, and has enjoyed continuous expansion for over half a century.

The company has carved an important role for itself in the main world markets, also operating directly in the countries that have assumed world leadership in the field of automation, including Germany and Japan.

In the **electrical connection** sector with applications in industrial automation, characterised by **top performance** and utmost **reliability needs**, ILME is today the acknowledged partner of many leading companies worldwide.

The company's fundamental values are:



product innovation, original solutions, excellent **price-quality ratio**, a customer-oriented **sense of service**, ethical behaviour and an environmentally-friendly approach.

To promote the continuing improvement of its **qualitative results**, ILME has always encouraged its collaborators to work with utmost **responsibility and participation**. The company focuses on a series of benefits to the user, including research into the most suitable materials, high quality and safe cabling, a rapid turnaround and readily available services.

CE marking

As from 1 January 1997, in order to launch electrical products on the European market the manufacturer must ensure these bear the relevant CE marking, in line with the Low Voltage Directive 73/23/EEC * (implemented in Italy as law 18-10-1977 no. 791) and its modification 93/68/EEC * (implemented in Italy as L. D. 25-11-1996 no. 626/96, published in the supplement to the Gazzetta Ufficiale of 14-12-1996).

The CE marking must be placed on the product - or, if this is not possible, on the packaging, the instructions for use or the warranty certificate - and acts as a declaration by the manufacturer that the product complies with all relevant EU directives.

ILME products bear the CE marking on the product or packaging.

Almost all ILME products fall within the scope of the Low Voltage Directive. A declaration of compliance is required before applying the CE marking. This document, to which the market is not directly entitled, must be made available to the control authorities (in Italy the Ministry for Industry, Commerce and Handicraft) at all times.

In it, the manufacturer declares the technical safety standard(s) followed to manufacture the product. These standards must be, in decreasing order of preference:

- a European standard (EN prefix)
- a European harmonisation document (HD prefix)
- an international IEC standard
- a national standard
- in the absence of reference standards, the manufacturer's internal specifications, guaranteeing compliance with the directive's basic safety requirements.

Compliance with harmonised technical standards (i.e. ratified by the CENELEC) constitutes presumed conformity to the directive's basic safety requirements.

The CE marking of ILME products results from said products' declaration of conformity to harmonised standards or international IEC standards.

Through the CE marking, ILME declares full compliance, not merely with the directive's basic safety requirements, but also with those

international or national EU standards on which voluntary safety certification markings are based (e.g. IMQ and VDE).

In this way, ILME intends to award the CE marking the value of self-certification in terms of safety, given the loss in legal value of voluntary certifications issued by third parties, ratified by directive 93/68/EEC *.

Notwithstanding the above, practically all ILME products still bear voluntary conformity markings.

The above mentioned EU declaration of conformity becomes null and void when the assembly of products includes one or more components not manufactured by ILME and without CE marking.

* Note:

The next legal reference for the Low Voltage Directive was 2006/95/EC, as consolidation of the original Directive 73/23/EEC + Directive 93/68/EEC.

On 29th March 2014, the Official Journal of the European Union published the new Low Voltage directive 2014/35/EU dd. 26th February 2014, a recast version of directive 2006/95/EC, which is in force since on 20th April 2016.



ISO 9001 certification: 2015
Design, manufacture and distribution of industrial electrical equipment (IAF 19)
Certificate No. 50 100 11133 - Rev. 01

All information contained in this catalogue is not binding and may be changed without notice.



New products 2017 - General index

SQUICH® 10A 400V

CKSH series from page 5



CQ 07 crimp connection CQ 17 crimp connection CQ 21 crimp connection

CQ 07 series from page 8

CQ 17 series page 10

CQ 21 series page 11



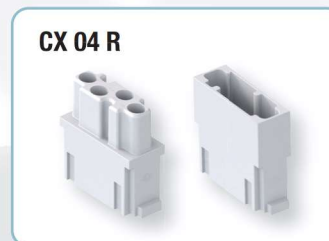
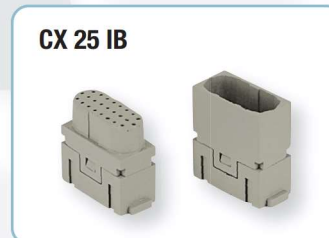
MIXO inserts

CX 02 4 series page 12

CX 25 IB series page 13

CX 04 SC series from page 14

CX 04 R series page 16



NEW

New products 2017 - General index

HOODS

High construction, without adaptor from page **17**



IP67 ENCLOSURES size "49.16" and "66.16"

Stainless steel lever from page **29**



IP67 ENCLOSURES with cover

V-TYPE lever, metallic cover from page **32**



E-Xtreme® ENCLOSURES FOR EXTREMELY AGGRESSIVE ENVIRONMENTS

Corrosion proof from page **36**

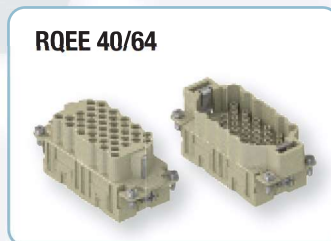
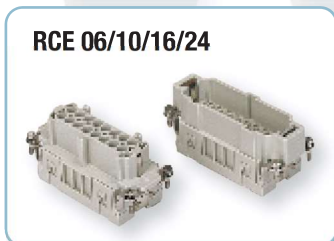
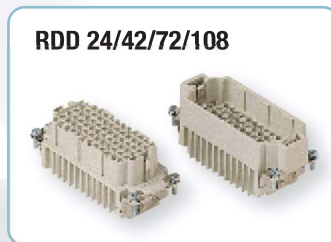
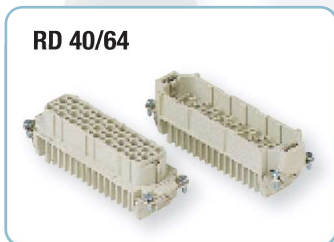


NEW

New products 2017 - General index

HNM (High Number of Matings)

| | | |
|------------------------------|--------------------------------------|---------------------|
| RD crimp connection | RD 40/64 series | from page 72 |
| RDD crimp connection | RDD 24/42/72/108 series | from page 74 |
| RCE crimp connection | RCE 06/10/16/24 series | from page 78 |
| RQEE crimp connection | RQEE 40/64 series | from page 82 |



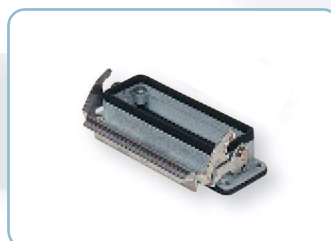
MIXO INSERTS

| | |
|-----------------------------------------------|------------------------|
| CX 06 C, CX 08 C, CX 20 C series | page 84, 85, 86 |
| CX 12 D, CX 17 D series | page 87, 88 |
| Frames for modular units | page 89 |



ENCLOSURES

| | |
|--------------------------------------------|---------------------|
| V-TYPE lever - 10.000 matings | from page 90 |
|--------------------------------------------|---------------------|



NEW

New products 2017 - General index

M25 H00D, size "21.21"

W-TYPE version

EMC version

MKAW V25 page **100**

MKAS V25 page **101**



CQAM T1
termination connector
for CQF 12 inserts

CQAM 12 T1 series page **103**



SQUICH®
Reopening tool

CSHES page **104**



NEW

CKSH - SQUICH® series

Spring connection contacts with actuator button

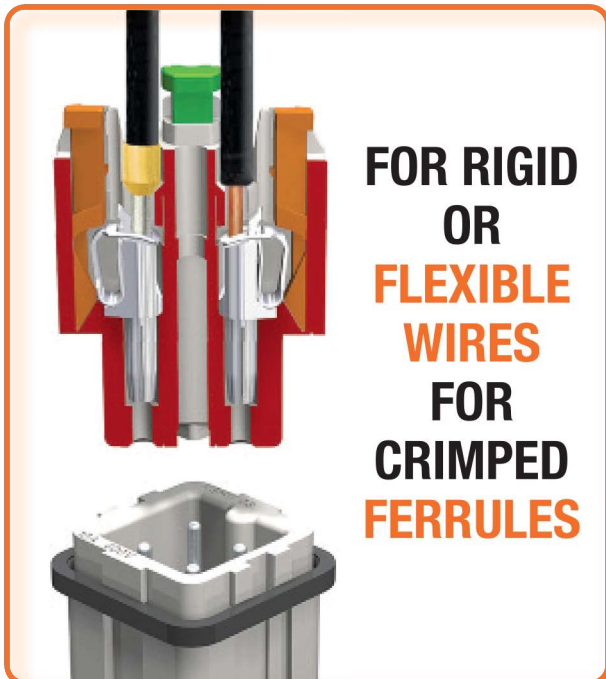
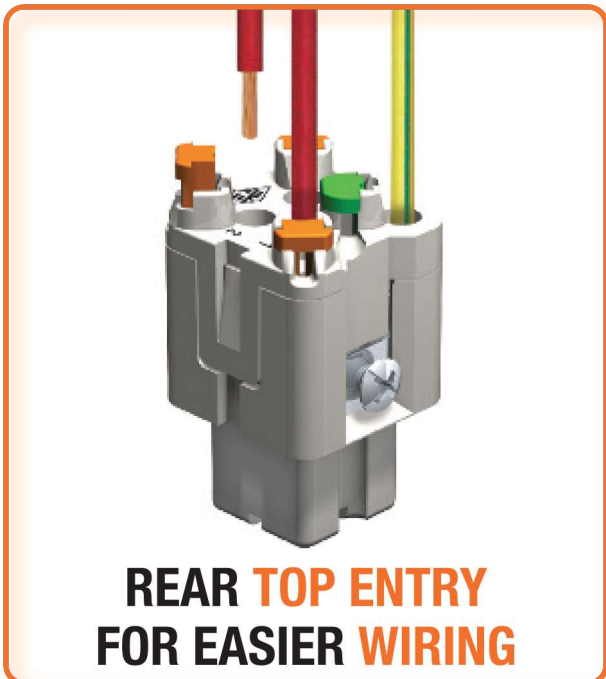
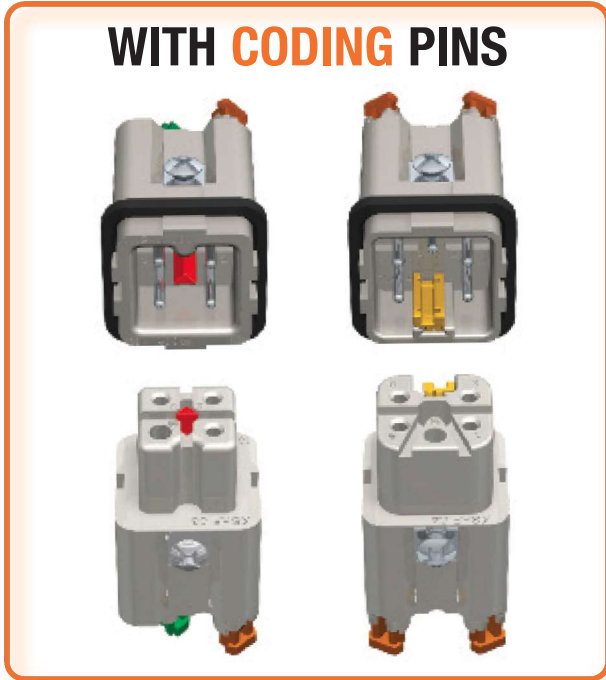
Easy wiring in compact size



CKSH - SQUICH® series

Spring connection contacts with actuator button

-  no need of wiring tool
-  already open terminals
-  for rigid or flexible wires
-  excellent fastening solution
-  reduced wiring time
-  quick identification of wired terminals
-  measuring probe usable
-  great resistance to strong vibrations



enclosures:
size "21.21"

page:

- insulating type 221 - 222 *
- metallic type 223 - 225 *
- W-TYPE for aggressive environments 369 *
- EMC 387 *
- IP68 416 - 418 *
- E-Xtreme corrosion proof 50 - 51

* refer to catalogue page CN.16

- can be mated with CK / CKS inserts

**inserts, 3 poles + ⊕
spring terminal connection**



silver plated contacts

AVAILABLE NOVEMBER 2017

**inserts, 4 poles + ⊕
spring terminal connection**



silver plated contacts

AVAILABLE NOVEMBER 2017

description

part No.

part No.

female inserts with female contacts
male inserts with male contacts

**CKSHF 03
CKSHM 03**

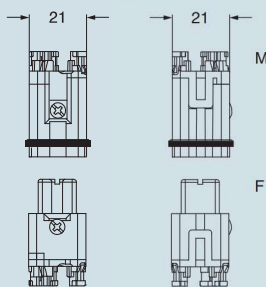
female inserts with female contacts
male inserts with male contacts

**CKSHF 04
CKSHM 04**

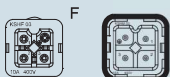
- characteristics according to EN 61984:

- 10A 400V 4kV 3**
- 10A 690V 4kV 2**
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limits: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for areas: maximum current load, see the following connector inserts load curves

dimensions in mm



contacts side (front view)

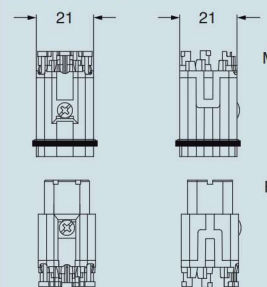


- inserts for wires with the following cross-sectional areas: 0,14 - 2,5 mm² - AWG 26 - 14 for prepared wires
- useable section: up to 1,5 mm² (AWG 16)
- conductor stripping length: 9...11 mm

coding pins:
CR K03 (page 490 catalogue CN.16)



dimensions in mm



contacts side (front view)



- inserts for wires with the following cross-sectional areas: 0,14 - 2,5 mm² - AWG 26 - 14 for prepared wires
- useable section: up to 1,5 mm² (AWG 16)
- conductor stripping length: 9...11 mm

coding pins:
CR K04R and CR K04G (page 490 catalogue CN.16)



diagram CKSH 03 poles

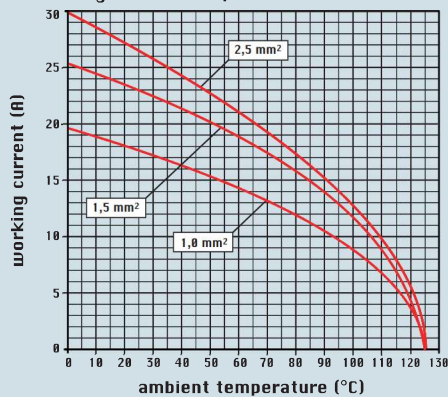
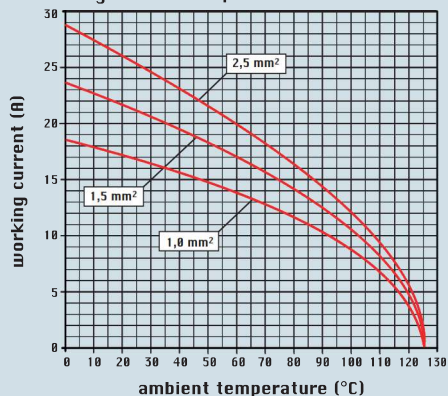
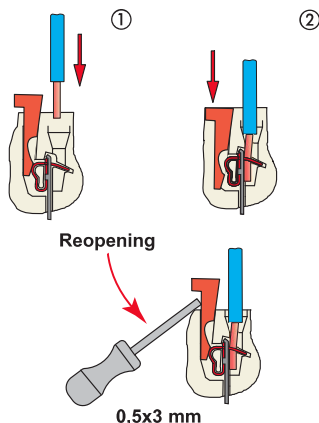


diagram CKSH 04 poles



dimensions shown are not binding
and may be changed without notice

SQUICH® connections



Rear top entry of wires for a more easier wiring



enclosures:
size "21.21"

page:

- insulating type 221 - 222 *
- metallic type 223 - 225 *
- W-TYPE for aggressive environments 369 *
- EMC 387 *
- IP68 416 - 418 *
- E-Xtreme corrosion proof 50 - 51

* refer to catalogue page CN.16

inserts, crimp connections



**AVAILABLE
MAY 2017**

**10A crimp contacts
silver and gold plated**



| description | part No. | part No. | part No. |
|-------------|----------|----------|----------|
|-------------|----------|----------|----------|

without contacts (to be ordered separately)
female inserts for female contacts
male inserts for male contacts

**CQF 07
CQM 07**

10A female contacts

| | | |
|---------------------------|-----------|----------------------|
| 0,14-0,37 mm ² | AWG 26-22 | identification No. 1 |
| 0,5 mm ² | AWG 20 | identification No. 2 |
| 0,75 mm ² | AWG 18 | identification No. ② |
| 1,mm ² | AWG 18 | identification No. 3 |
| 1,5 mm ² | AWG 16 | identification No. 4 |
| 2,5 mm ² | AWG 14 | identification No. 5 |

10A male contacts

| | | |
|---------------------------|-----------|----------------------|
| 0,14-0,37 mm ² | AWG 26-22 | identification No. 1 |
| 0,5 mm ² | AWG 20 | identification No. 2 |
| 0,75 mm ² | AWG 18 | identification No. ② |
| 1,mm ² | AWG 18 | identification No. 3 |
| 1,5 mm ² | AWG 16 | identification No. 4 |
| 2,5 mm ² | AWG 14 | identification No. 5 |

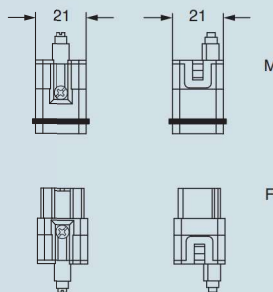
| | | |
|-----------------------|-----------------|-----------------|
| silver plated | CDFA 0.3 | CDFD 0.3 |
| | CDFA 0.5 | CDFD 0.5 |
| | CDFA 0.7 | CDFD 0.7 |
| | CDFA 1.0 | CDFD 1.0 |
| | CDFA 1.5 | CDFD 1.5 |
| | CDFA 2.5 | CDFD 2.5 |
| gold plated 1) | CDMA 0.3 | CDMD 0.3 |
| | CDMA 0.5 | CDMD 0.5 |
| | CDMA 0.7 | CDMD 0.7 |
| | CDMA 1.0 | CDMD 1.0 |
| | CDMA 1.5 | CDMD 1.5 |
| | CDMA 2.5 | CDMD 2.5 |

- characteristics according to EN 61984:

10A 400V 6kV 3

- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- the CQ 07 inserts are already supplied with a mounting screw with sealing, which ensures IP66/IP67 protection rating
- fist-make last-break screw-type PE contact
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 534, 538, 544, 546, 548 catalogue CN.16

dimensions in mm



contacts side (front view)



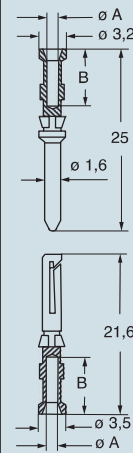
Note:

PE screw connection for unprepared wires only

█ the **CR QF07** and **CR QM07** coding pins (to be ordered separately), allow the user to create 6 different combinations, according to the diagram shown on page 9



dimensions in mm



CDF and CDM contacts

| conductor section mm ² | conductor slot ø A (mm) | conductors stripping length B (mm) |
|-----------------------------------|-------------------------|------------------------------------|
| 0,14-0,37 | 0,9 | 8 |
| 0,5 | 1,1 | 8 |
| 0,75 | 1,3 | 8 |
| 1,0 | 1,45 | 8 |
| 1,5 | 1,8 | 8 |
| 2,5 | 2,2 | 6 |

1) basic or high thickness gold plating page 480 catalogue CN.16

dimensions shown are not binding
and may be changed without notice

coding pins
for CQF 07 inserts



**AVAILABLE
MAY 2017**

coding pins
for CQM 07 inserts



**AVAILABLE
MAY 2017**

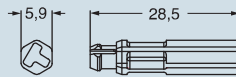
| | | |
|--------------------------------|----------------|----------------|
| description | part No. | part No. |
| coding pins for CQF 07 inserts | CR QF07 | |
| coding pins for CQM 07 inserts | | CR QM07 |

Code pins

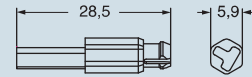
Each series of connector inserts is made in such a way as to make incorrect coupling between inserts of different series impossible. When a number of identical connectors with different functions are mounted closely together these must be selected in such a way as to prevent the coupling of a free part on a non-corresponding fixed part and possible consequent damage and breakdown.

Within this scope, special coding pins have been made available in order to restrict or avoid incorrect mating between multiple identical connectors.

dimensions in mm



dimensions in mm



| | | |
|-------|-----|-----|
| 1 | 2 | 3 |
| | | |
| M F | M F | M F |
| <hr/> | | |
| 4 | 5 | 6 |
| | | |
| M F | M F | M F |

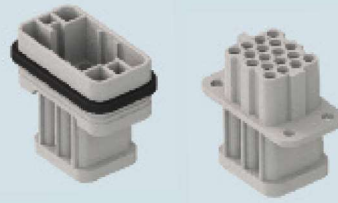
CR QF07 coding pin
 CR QM07 coding pin

M = male insert
F = female insert

dimensions shown are not binding
and may be changed without notice

enclosures:
 size "32.13" page:
 insulating type 226 - 227
 EMC 388 - 389
 refer to catalogue page CN.16

inserts, crimp connections



**AVAILABLE
 NOVEMBER 2017**

**10A crimp contacts
 silver and gold plated**



| description | part No. | part No. | part No. |
|-------------|----------|----------|----------|
|-------------|----------|----------|----------|

without contacts (to be ordered separately)
 female inserts for female contacts
 male inserts for male contacts

**CQF 17
 CQM 17**

10A female contacts

| | | |
|---------------------------|-----------|----------------------|
| 0,14-0,37 mm ² | AWG 26-22 | identification No. 1 |
| 0,5 mm ² | AWG 20 | identification No. 2 |
| 0,75 mm ² | AWG 18 | identification No. ② |
| 1,mm ² | AWG 18 | identification No. 3 |
| 1,5 mm ² | AWG 16 | identification No. 4 |
| 2,5 mm ² | AWG 14 | identification No. 5 |

silver plated

| |
|----------|
| CDFA 0.3 |
| CDFA 0.5 |
| CDFA 0.7 |
| CDFA 1.0 |
| CDFA 1.5 |
| CDFA 2.5 |

gold plated 1)

| |
|----------|
| CDFD 0.3 |
| CDFD 0.5 |
| CDFD 0.7 |
| CDFD 1.0 |
| CDFD 1.5 |
| CDFD 2.5 |

10A male contacts

| | | |
|---------------------------|-----------|----------------------|
| 0,14-0,37 mm ² | AWG 26-22 | identification No. 1 |
| 0,5 mm ² | AWG 20 | identification No. 2 |
| 0,75 mm ² | AWG 18 | identification No. ② |
| 1,mm ² | AWG 18 | identification No. 3 |
| 1,5 mm ² | AWG 16 | identification No. 4 |
| 2,5 mm ² | AWG 14 | identification No. 5 |

silver plated

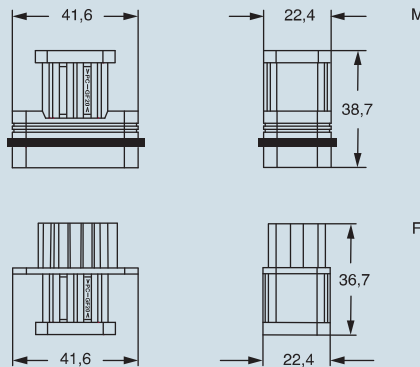
| |
|----------|
| CDMA 0.3 |
| CDMA 0.5 |
| CDMA 0.7 |
| CDMA 1.0 |
| CDMA 1.5 |
| CDMA 2.5 |

gold plated 1)

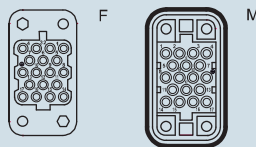
| |
|----------|
| CDMD 0.3 |
| CDMD 0.5 |
| CDMD 0.7 |
| CDMD 1.0 |
| CDMD 1.5 |
| CDMD 2.5 |

- characteristics according to EN 61984:
- 10A 160V 2,5kV 3**
- 10A 250V 4kV 2**
- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- one pre-mating contact
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 534, 538, 544, 546, 548 catalogue CN.16

dimensions in mm



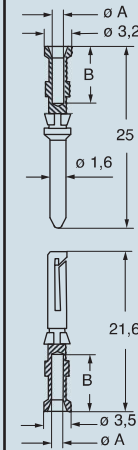
contacts side (front view)



coding pin **CR CP** with loss of one contact, page 491 catalogue CN.16



dimensions in mm



CDF and CDM contacts

| conductor section mm ² | conductor slot ø A (mm) | conductors stripping length B (mm) |
|-----------------------------------|-------------------------|------------------------------------|
| 0,14-0,37 | 0,9 | 8 |
| 0,5 | 1,1 | 8 |
| 0,75 | 1,3 | 8 |
| 1,0 | 1,45 | 8 |
| 1,5 | 1,8 | 8 |
| 2,5 | 2,2 | 6 |

1) basic or high thickness gold plating page 480 catalogue CN.16

dimensions shown are not binding and may be changed without notice

enclosures:
size "21.21" page:

insulating type 221 - 222 *
 metallic type 223 - 225 *
 W-TYPE for aggressive environments 369 *
 EMC 387 *
 IP68 416 - 418 *
 E-Xtreme corrosion proof 50 - 51

* refer to catalogue page CN.16

inserts, crimp connections



**AVAILABLE
NOVEMBER 2017**

**CI crimp contacts
silver and gold plated**



**AVAILABLE
NOVEMBER 2017**

| description | part No. | part No. | part No. |
|-------------|----------|----------|----------|
|-------------|----------|----------|----------|

without contacts (to be ordered separately)
 female inserts for female contacts
 male inserts for male contacts

**CQF 21
CQM 21**

CI female crimp contacts
 0,08-0,21 mm² AWG 28-24
 0,13-0,33 mm² AWG 26-22
 0,33-0,52 mm² AWG 22-20

**CIFA 0.2
CIFA 0.3
CIFA 0.5**

silver plated

**CIFD 0.2
CIFD 0.3
CIFD 0.5**

gold plated

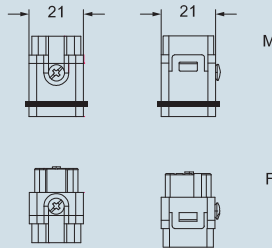
CI male crimp contacts
 0,08-0,21 mm² AWG 28-24
 0,13-0,33 mm² AWG 26-22
 0,33-0,52 mm² AWG 22-20

**CIMA 0.2
CIMA 0.3
CIMA 0.5**

**CIMD 0.2
CIMD 0.3
CIMD 0.5**

- characteristics according to EN 61984:
6,5A 50V ac / 120V dc 0,8kV 3
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limits: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- one pre-mating contact
- for crimp contacts CI series use, see page 540 catalogue CN.16
- CIPZ D** crimping tool
- CITP D** turret head
- CIES** insertion / removal tool

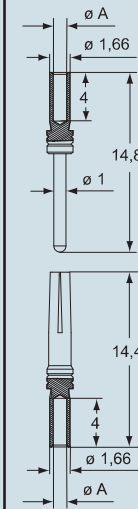
dimensions in mm



contacts side (front view)



dimensions in mm



CIF and CIM contacts

| conductor section mm ² | conductor slot $\varnothing A$ (mm) | conductors stripping length (mm) |
|-----------------------------------|-------------------------------------|----------------------------------|
| 0,08-0,21 | 0,64 | 4 |
| 0,13-0,33 | 0,90 | 4 |
| 0,33-0,52 | 1,12 | 4 |

max insulation diameter: 1,7 mm

dimensions shown are not binding and may be changed without notice

The modular inserts must be installed in suitable frames which in turn are installed in traditional housings * or COB panel support.

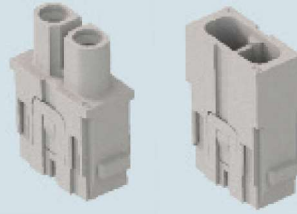
frames for modular units * .. page: 214 - 215

* enclosures: bulkhead mounting housings, high construction housings or high construction hoods

refer to catalogue page CN.16

- can be mated with CX 02 A/B modules

modular units,
crimp connections



**AVAILABLE
NOVEMBER 2017**

40A crimp contacts
silver plated



| description | part No. | part No. |
|-------------|----------|----------|
|-------------|----------|----------|

| | | |
|--------------------------------------------------------------------------|----------------------------------------|--|
| without contacts (to be ordered separately) | CX 02 4F * CX 02 4M * | |
| - female inserts for female contacts - male inserts for male contacts | | |
| 40A female crimp contacts | | |
| 1,5 mm ² AWG 16 | | |
| 2,5 mm ² AWG 14 | | |
| 4 mm ² AWG 12 | | |
| 6 mm ² AWG 10 | | |
| 10 mm ² AWG 8 | | |
| 40A male crimp contacts | | |
| 1,5 mm ² AWG 16 | | |
| 2,5 mm ² AWG 14 | | |
| 4 mm ² AWG 12 | | |
| 6 mm ² AWG 10 | | |
| 10 mm ² AWG 8 | | |

- CXFA 1.5
- CXFA 2.5
- CXFA 4.0
- CXFA 6.0
- CXFA 10

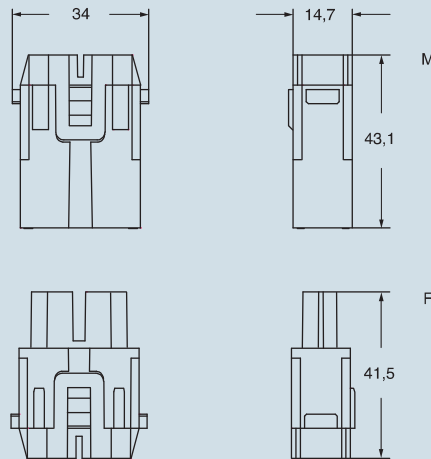
silver plated

- CXMA 1.5
- CXMA 2.5
- CXMA 4.0
- CXMA 6.0
- CXMA 10

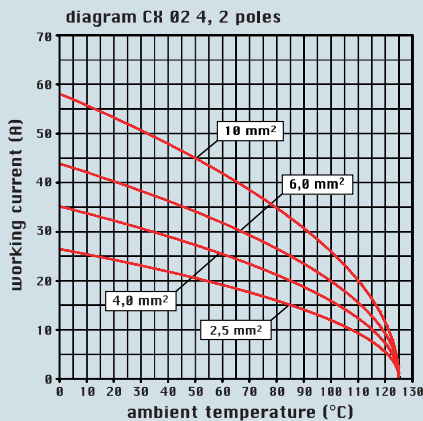
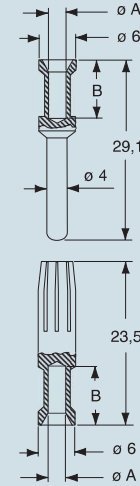
- characteristics according to EN 61984:
- 40A 1000V 8kV 3**
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 0.3 \text{ m}\Omega$
- for contact crimping instructions (1,5 ÷ 10 mm²), please see the crimping tool section (40A contacts, CXF and CXM series) on pages 536 and 538 catalogue CN.16
- for maximum current load, see the following inserts load curves

* cable diameter up to 7,5 mm
contact size up to 10 mm²

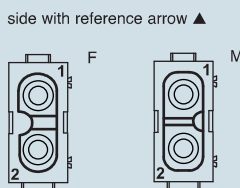
dimensions in mm



dimensions in mm



contacts side (front view)



- 1 frame slot

CXF and CXM contacts

| conductor section mm ² | conductor slot ø A (mm) | conductors stripping length B (mm) |
|-----------------------------------|-------------------------|------------------------------------|
| 1,5 | 1,8 | 9 |
| 2,5 | 2,2 | 9 |
| 4 | 2,85 | 9,6 |
| 6 | 3,5 | 9,6 |
| 10 | 4,3 | 15 |

dimensions shown are not binding
and may be changed without notice

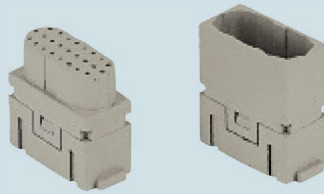
The modular inserts must be installed in suitable frames which are then mounted in traditional housings or COB panel support.

frames for modular units page: 214 - 215

refer to catalogue page CN.16

- max insulating diameter 2,1 mm
- we recommend the use of CRF / CRM code pins

**modular units,
crimp connections**



**AVAILABLE
NOVEMBER 2017**

**CI crimp contacts
silver and gold plated**



**AVAILABLE
NOVEMBER 2017**

| description | part No. | part No. | part No. |
|-------------|----------|----------|----------|
|-------------|----------|----------|----------|

without contacts (to be ordered separately)
- female inserts for female contacts
- male inserts for male contacts

CX 25 IBF
CX 25 IBM

CI female crimp contacts
0,08-0,21 mm² AWG 28-24
0,13-0,33 mm² AWG 26-22
0,33-0,52 mm² AWG 22-20
0,52-0,75 mm² AWG 20-18

CIFA 0.2
CIFA 0.3
CIFA 0.5
CIFA 0.7

silver plated

CIFD 0.2
CIFD 0.3
CIFD 0.5
CIFD 0.7

gold plated

CI male crimp contacts
0,08-0,21 mm² AWG 28-24
0,13-0,33 mm² AWG 26-22
0,33-0,52 mm² AWG 22-20
0,52-0,75 mm² AWG 20-18

CIMA 0.2
CIMA 0.3
CIMA 0.5
CIMA 0.7

CIMD 0.2
CIMD 0.3
CIMD 0.5
CIMD 0.7

- characteristics according to EN 61984:

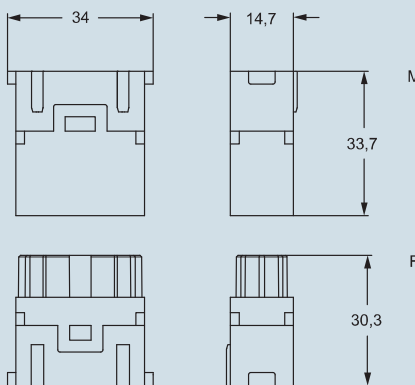
4A 50V 0,8kV 3
4A 160V 2,5kV 2

- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- for crimp contacts CI series use, on page 540 catalogue CN.16

CIPZ D crimping tool
CITP D turret head

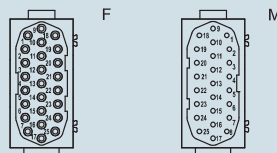
CIES insertion / removal tool for contacts 0,2 - 0,5 mm²
CIES B insertion / removal tool for contacts 0,75 mm²

dimensions in mm



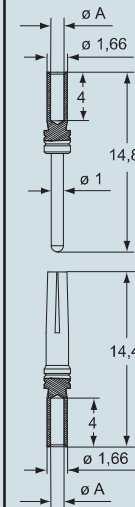
contacts side (front view)

side with reference arrow ▲



- 1 frame slot

dimensions in mm



CIF and CIM contacts

| conductor section | conductor slot | conductors stripping length |
|-------------------|----------------|-----------------------------|
| mm ² | ø A (mm) | (mm) |
| 0,08-0,21 | 0,64 | 4 |
| 0,13-0,33 | 0,90 | 4 |
| 0,33-0,52 | 1,12 | 4 |
| 0,52-0,75 | 1,12 | 4 |

dimensions shown are not binding and may be changed without notice

MIXO series

Main features

Inserts CX 04 SC

The new MIXO inserts **CX 04 SC** enable use of **fibre optic SC contacts**, up to 4 SC contacts per connector, for indoor or outdoor heavy duty industrial applications, with ILME connector enclosures.

The female inserts are provided with 4 **ceramic** (zirconia) type **split alignment sleeves**, for minimal insertion loss (e.g. for critical network connections) and are best suitable for single-mode F/O cable connections. As optional accessory, **metallic** (phosphor bronze) **split alignment sleeves** are also available for more durable (less prone to cracking) applications, but less demanding precision alignment, thus most suitable for multi-mode fibre applications.

The **fibre optic SC contacts** (genderless, to be purchased separately) are available both for multi-mode fibres (50/125 µm or 62,5/125 µm) and single-mode fibre (9/125 µm).

The fibre optic SC contacts are also available for the hard-clad silica (HCS[®]) or polymer-clad fibre (PCF) 200/230 µm fibre optic cables and for the less demanding, with shorter transmission distance covered, but more cost effective POF Ø 1 mm applications, available with crimp technique version (crimping tool required).

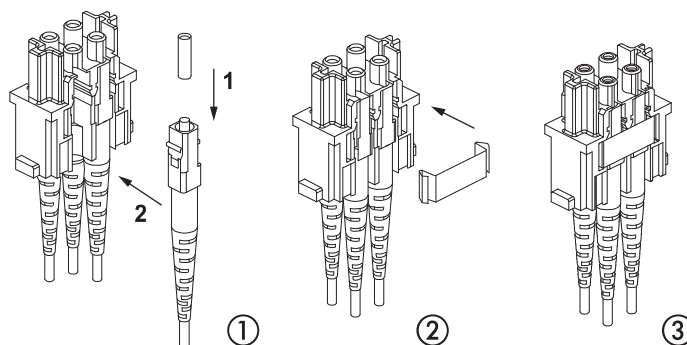
NOTE. Due to the higher skill and training required to produce an effectively performing fibre optic junction for a single-mode type fibre-optic cable than for a multi-mode one, dedicated contacts for single-mode are available only upon request. Contact our Commercial Department for a quotation. It is more practical in such case to equip these MIXO inserts with ready-to-use fibre optic patch cords. Quick assembly technique version (tool-less) for POF Ø 1 mm cables are also available only upon request, please send inquiry to our Commercial Department.

^{*} HCS[®] is a trademark of Furukawa Electric North America, Inc.

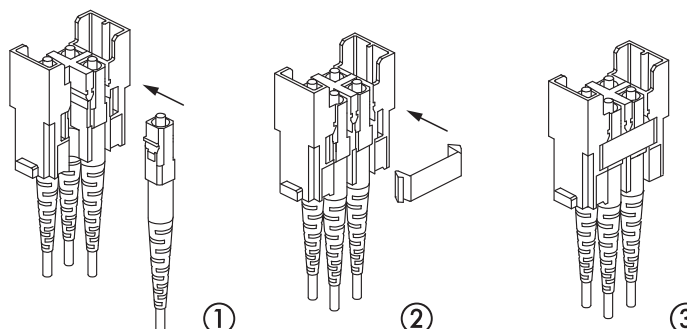
| Part No. of inserts | | CX 04 SC |
|--------------------------------------|--------------------------------------------|--------------------------------------------------------------------------|
| No. of seats/poles | seats for optical contacts (SC connectors) | 4 |
| ambient temperature limit (°C) | min | -40 |
| | max | +85 |
| degree of protection | with enclosures (according to type) | IP65/IP69, IP66/IP69, IP66/IP67/P69, IP66/IP68/P69 ^(*) |
| fibre optic connection | | glue, crimp |
| mechanical endurance (mating cycles) | | ≥ 500 |
| self-extinguishing capacity UL 94 | | 94V-0 |

^(*) The degree of protection marked in **bold** is that under which the enclosure series are commercially known. Their complete degree of protection ("versatile" per IEC/EN 60529 Ed.2.2) is comprehensive of the two or three values divided by slash(es): ILME IP65 and IP66 enclosures are also IP69, ILME IP67 enclosures are also IP66 and IP69, ILME IP68 enclosures are also IP66 and IP69. The complete marking is justified as IPX9 does not cover IPX8, IPX7, IPX6 or IPX5, test for IPX7 does not cover IPX6 or IPX5 and test for IPX8 does not cover IPX6.

CX 04 SCF / CX 04 SCF-H



CX 04 SCM



The modular inserts must be installed in suitable frames which are then mounted in traditional housings or COB panel support.

frames for modular units page: 214 - 215

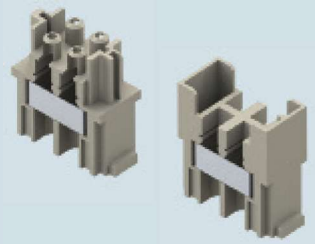
refer to catalogue page CN.16

- insulation resistance: $\geq 10 \text{ G}\Omega$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- temperature range: from $-40 \text{ }^\circ\text{C}$ to $+85 \text{ }^\circ\text{C}$

WARNING:

inserts can be used on high enclosures or bulkhead housings only.

module adaptor for SC connectors



crimp FO contacts



**AVAILABLE
NOVEMBER 2017**

| | | |
|-------------|----------|----------|
| description | part No. | part No. |
|-------------|----------|----------|

module insert with seats for 4 SC contacts (metal fixing plate included)
 - female insert, with ceramic sleeve
 - female insert, with metallic sleeve
 - male insert

CX 04 SCF
CX 04 SCF-H
CX 04 SCM

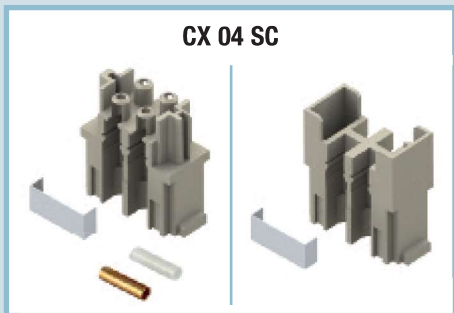
CL 125 SC
CL POF SC

SC contact for GI FIBRE 50/125 μm or 62.5/125 μm
 SC contact for \varnothing POF 1 mm

dimensions in mm

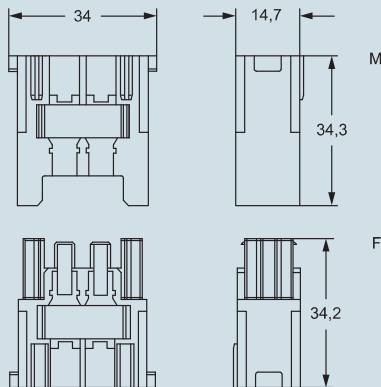
dimensions in mm

- adaptor insert fitted with metal plate and sleeve (female only) fixing



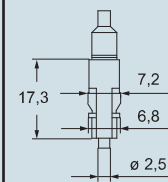
dimensions in mm

CX 04 SCF, CX 04 SCF-H, CX 04 SCM

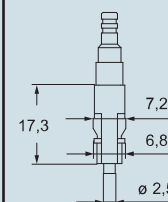


dimensions in mm

CL 125 SC



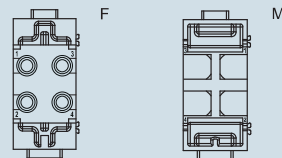
CL POF SC



- adaptor insert designed to be used with SC contacts
- SC contact for SI FIBRE (HCS[®]) 200/230 μm : **CL 230 SC** (on request)
- base equipment for SC contact GI FIBRE: **CLKZ 125 SC**
 If this application is required, please contact ILME SpA.
- supplementary set for POF: **CLKZ POF**
 (to be ordered with CLKZ 125 SC)
 If this application is required, please contact ILME SpA.

contacts side (front view)

side with reference arrow ▲



- 1 frame slot

SC duplex patch cord

**CW SC from page 510
catalogue CN.16**

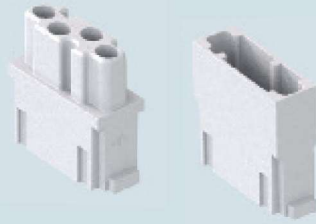
dimensions shown are not binding and may be changed without notice

The modular inserts must be installed in suitable frames which are then mounted in traditional housings or COB panel support.

frames for modular units page: 214 - 215

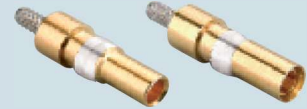
refer to catalogue page CN.16

modular units,
crimp connections



**AVAILABLE
NOVEMBER 2017**

crimp coaxial contacts



**AVAILABLE
NOVEMBER 2017**

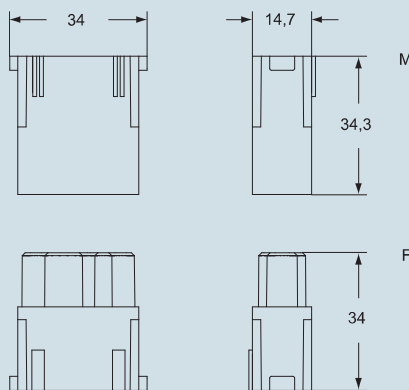
| description | part No. | part No. |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| without contacts (to be ordered separately) - female inserts for female contacts - male inserts for male contacts | CX 04 RF CX 04 RM | |
| female coaxial contacts 50Ω male coaxial contacts 50Ω | | CX 50 RF CX 50 RM |
| female coaxial contacts 75Ω male coaxial contacts 75Ω | | CX 75 RF CX 75 RM |

- inserts are made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- in accordance with standard DIN 41626-T2
- finishing: contact surfaces, body, back end and ferrule gold plated
- impedance: 50 Ω
- frequency: DC to 6 GHz
- return loss: ≥ 21 dB, DC to 2 GHz
≥ 19 dB, 2 to 6 GHz
- insertion loss: ≤ 0,1 x √f(GHz) dB
- center contact resistance: ≤ 10 mΩ
- outer contact resistance: ≤ 3 mΩ
- test voltage: 750V rms
- working voltage: 250V rms
- RF-leakage: ≥ 80 dB up to 0,5 GHz
≥ 65 dB up to 1,5 GHz
- to crimp contacts CX 50 RM/RF, CX 75 RM/RF use tool COPZ R (see the crimping tool section on page 552 catalogue CN.16)

Warnings:
We recommend the use of code pins **CRF CX / CRM CX**.

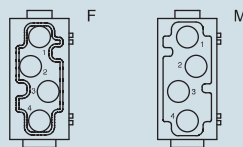
dimensions in mm

CX 04 RF / RM



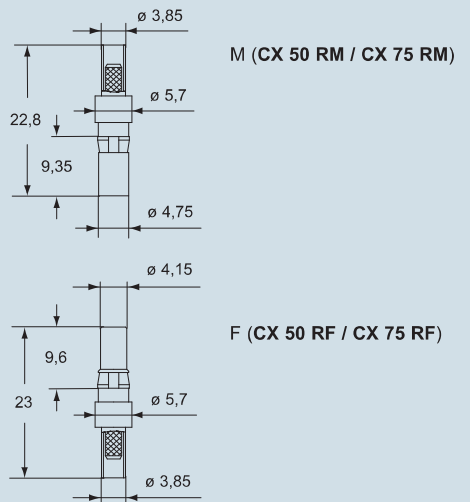
contacts side (front view)

side with reference arrow ▲

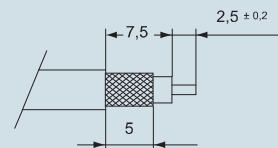


- 1 frame slot

dimensions in mm



conductor stripping

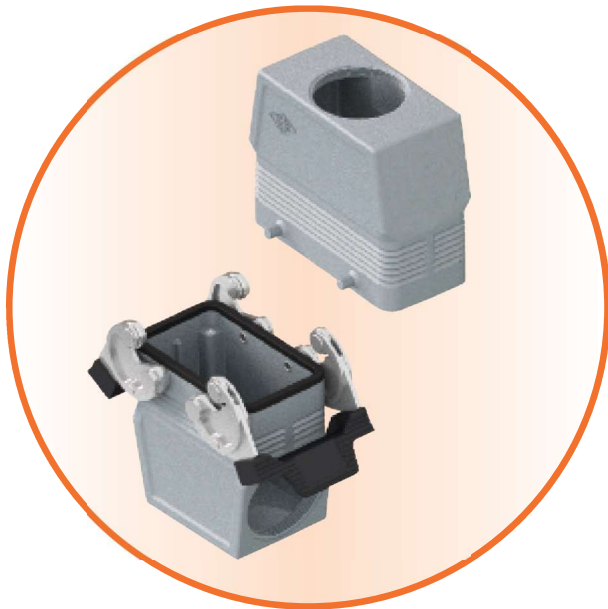


| coaxial contacts | for cables | ø external | part No. |
|------------------|------------|-------------|----------|
| 50Ω | RG 316/U | 2,49 ±0,1 | CX 50 RF |
| | RG 174 A/U | 2,79 ±0,127 | CX 50 RM |
| | RG 188 A/U | 2,79 max | |
| 75Ω | RG 179 B/U | 2,54 ±0,127 | CX 75 RF |
| | RG 187 A/U | 2,79 max | CX 75 RM |
| | TZC 75 101 | 2,79 max | |

dimensions shown are not binding and may be changed without notice

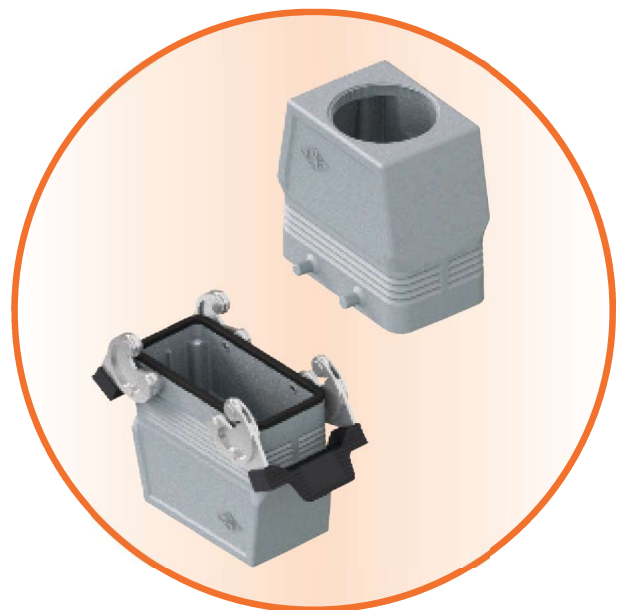
C-TYPE series

M40 cable entry, without adaptor - hoods with pegs or levers



M40
TOP OR SIDE
CABLE ENTRY

FOR CABLE GLANDS
WITH LONG
THREAD





| | | |
|----------------|--------------|-------------|
| inserts: | | page: |
| CDD | 24 poles + ⊕ | 67 * |
| CDS | 9 poles + ⊕ | 78 * |
| CDSH | 9 poles + ⊕ | 9 ** |
| CDSH NC | 6 poles + ⊕ | 19 ** |
| CSH | 6 poles + ⊕ | 91 * |
| CNE, CSE | 6 poles + ⊕ | 104 * |
| CCE | 6 poles + ⊕ | 110 * |
| CSS | 6 poles + ⊕ | 122 * |
| CQE | 10 poles + ⊕ | 138 * |
| MIXO | 2 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 44 x 27 mm

hoods with 2 pegs
M40 cable entry with 20 mm thread length



AVAILABLE
NOVEMBER 2017

hoods with 1 lever
M40 cable entry with 20 mm thread length



AVAILABLE
NOVEMBER 2017

| description | part No. | entry M | part No. | entry M |
|--------------------------------------------------------------|-------------------|---------|--------------------|---------|
| with pegs, side entry, high construction, without adaptor * | MFO 06 L40 | 40 | | |
| with pegs, top entry, high construction, without adaptor * | MFV 06 L40 | 40 | | |
| with lever, side entry, high construction, without adaptor * | | | MFO 06 LG40 | 40 |
| with lever, top entry, high construction, without adaptor * | | | MFV 06 LG40 | 40 |

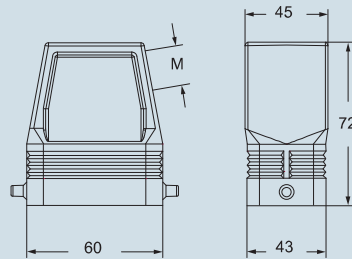
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

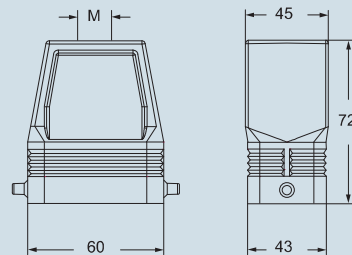
- C-TYPE, IP65/IP66 stainless steel lever, from page 240 to page 243 catalogue CN.16
- C7, IP67 stainless steel lever, page 274 catalogue CN.16
- CV, IP66 stainless steel lever, page 280 and 284 catalogue CN.16

dimensions in mm

MFO L

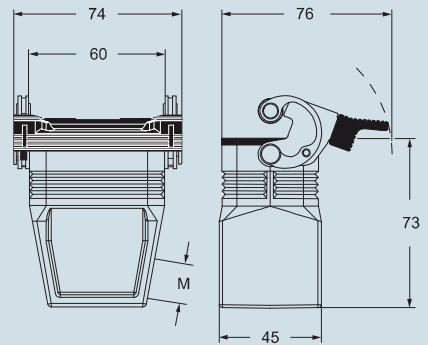


MFV L

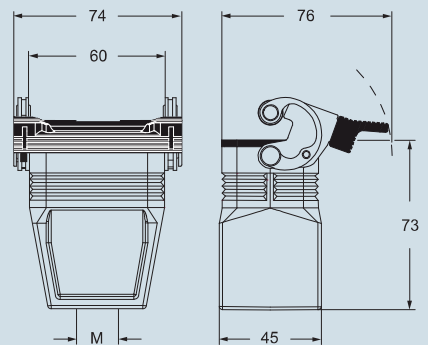


dimensions in mm

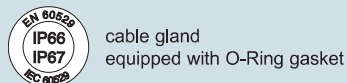
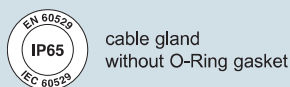
MFO LG



MFV LG



IP degrees are according to the type of lever and:



dimensions shown are not binding and may be changed without notice

| | | |
|-----------------------|--------------|-------------|
| inserts: | | page: |
| CDD | 24 poles + ⊕ | 67 * |
| CDS | 9 poles + ⊕ | 78 * |
| CDSH | 9 poles + ⊕ | 9 ** |
| CDSH NC | 6 poles + ⊕ | 19 ** |
| CSH | 6 poles + ⊕ | 91 * |
| CNE, CSE | 6 poles + ⊕ | 104 * |
| CCE | 6 poles + ⊕ | 110 * |
| CSS | 6 poles + ⊕ | 122 * |
| CQE | 10 poles + ⊕ | 138 * |
| MIXO | 2 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 44 x 27 mm

hoods without entry, to be drilled



**AVAILABLE
 NOVEMBER 2017**

description

part No.
 with 2 pegs

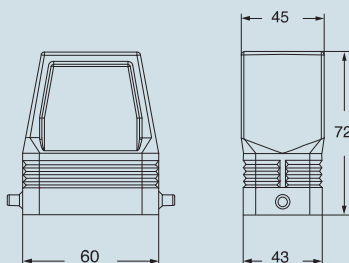
with pegs, high construction

CAC 06 L

alternatively, hoods with pegs are coupled with fixed enclosures:

- C-TYPE, IP65/IP66 stainless steel lever, from page 240 to page 243 catalogue CN.16
- C7, IP67 stainless steel lever, page 274 catalogue CN.16
- CV, IP66 stainless steel lever, page 280 and 284 catalogue CN.16

dimensions in mm



IP degrees are according to the type of lever and:



cable gland
 without O-Ring gasket



cable gland
 equipped with O-Ring gasket

dimensions shown are not binding
 and may be changed without notice

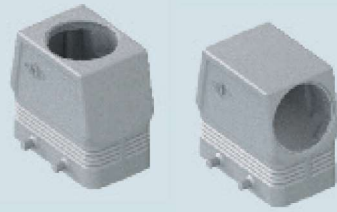


| | |
|--------------------------------|-------------|
| inserts: | page: |
| CDD 42 poles + ⊕ | 69 * |
| CDS 18 poles + ⊕ | 79 * |
| CDSH 18 poles + ⊕ | 10 ** |
| CSH 10 poles + ⊕ | 92 * |
| CNE, CSE 10 poles + ⊕ | 105 * |
| CCE 10 poles + ⊕ | 111 * |
| CSS 10 poles + ⊕ | 123 * |
| CQE 18 poles + ⊕ | 139 * |
| CMCE 3+2 (aux) poles + ⊕ | 148 * |
| CMSH 3+2 (aux) poles + ⊕ | 149 * |
| CX 8/24 poles + ⊕ | 169 * |
| MIXO 3 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

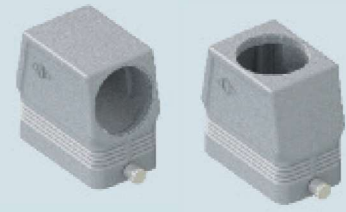
insert centre distance:
 57 x 27 mm

hoods with 4 pegs
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

hoods with 2 pegs
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

| description | part No. | | entry | | part No. | | entry | |
|-------------------------------------------------------------|------------------|--|-------|---|-------------------|--|-------|---|
| | | | Pg | M | | | Pg | M |
| with pegs, side entry, high construction, without adaptor * | CFO 10.21 | | 21 | | MFO 10.32 | | 32 | |
| with pegs, side entry, high construction, without adaptor * | CFO 10.29 | | 29 | | MFO 10.40 | | 40 | |
| with pegs, top entry, high construction, without adaptor * | CFV 10.21 | | 21 | | MFV 10.32 | | 32 | |
| with pegs, top entry, high construction, without adaptor * | CFV 10.29 | | 29 | | MFV 10.40 | | 40 | |
| | | | | | CFO 10 L21 | | 21 | |
| | | | | | CFO 10 L29 | | 29 | |
| | | | | | MFO 10 L32 | | 32 | |
| | | | | | MFO 10 L40 | | 40 | |
| | | | | | CFV 10 L21 | | 21 | |
| | | | | | CFV 10 L29 | | 29 | |
| | | | | | MFV 10 L32 | | 32 | |
| | | | | | MFV 10 L40 | | 40 | |

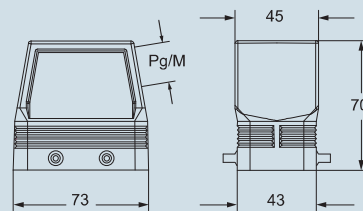
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

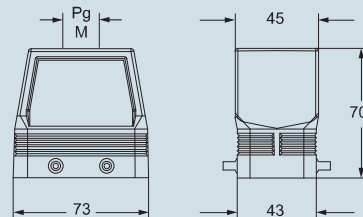
- C-TYPE, IP65/IP66 stainless steel lever, from page 244 to page 249 catalogue CN.16
- C7, IP67 stainless steel lever, page 275 catalogue CN.16
- CV, IP66 stainless steel lever, page 281 and 288 catalogue CN.16

dimensions in mm

CFO and MFO

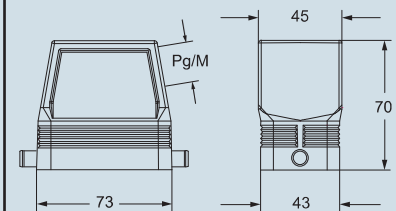


CFV and MFV

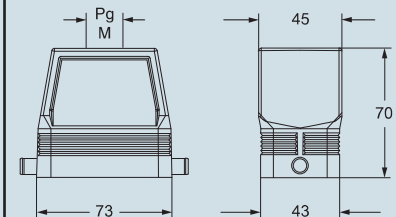


dimensions in mm

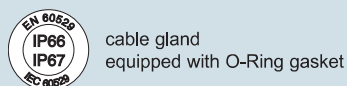
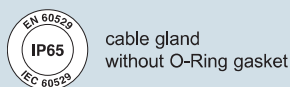
CFO L and MFO L



CFV L and MFV L



IP degrees are according to the type of lever and:



dimensions shown are not binding
 and may be changed without notice

| | |
|--------------------------------|-------------|
| inserts: | page: |
| CDD 42 poles + ⊕ | 69 * |
| CDS 18 poles + ⊕ | 79 * |
| CDSH 18 poles + ⊕ | 10 ** |
| CSH 10 poles + ⊕ | 92 * |
| CNE, CSE 10 poles + ⊕ | 105 * |
| CCE 10 poles + ⊕ | 111 * |
| CSS 10 poles + ⊕ | 123 * |
| CQE 18 poles + ⊕ | 139 * |
| CMCE 3+2 (aux) poles + ⊕ | 148 * |
| CMSH 3+2 (aux) poles + ⊕ | 149 * |
| CX 8/24 poles + ⊕ | 169 * |
| MIXO 3 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

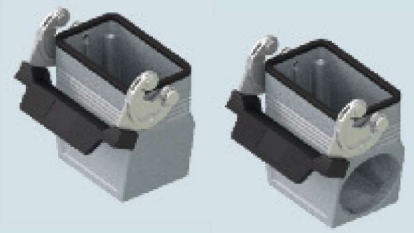
insert centre distance:
 57 x 27 mm

hoods with 2 levers
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

hoods with 1 lever
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

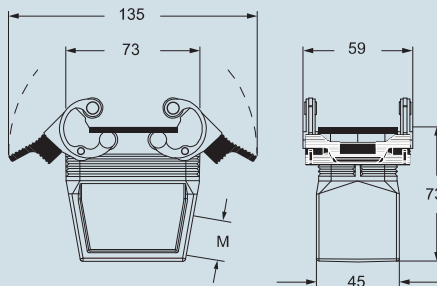
| description | part No. | entry M |
|--------------------------------------------------------------------------|------------|------------|
| with levers and gasket, side entry, high construction, without adaptor * | MFO 10 G40 | 40 |
| with levers and gasket, top entry, high construction, without adaptor * | MFV 10 G40 | 40 |

| description | part No. | entry M |
|--------------------------------------------------------------------------|-------------|------------|
| with levers and gasket, side entry, high construction, without adaptor * | MFO 10 LG40 | 40 |
| with levers and gasket, top entry, high construction, without adaptor * | MFV 10 LG40 | 40 |

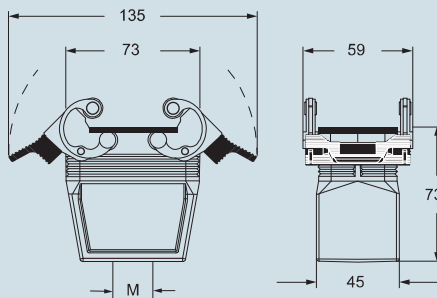
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

MFO G

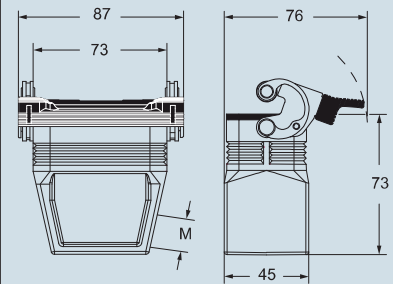


MFV G

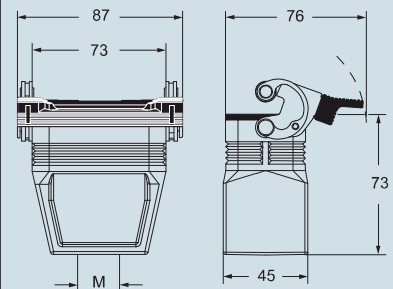


dimensions in mm

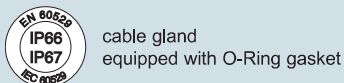
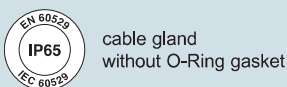
MFO LG



MFV LG



IP degrees are according to the type of lever and:



dimensions shown are not binding
 and may be changed without notice

| | | |
|-----------------------|---------------------|-------------|
| inserts: | | page: |
| CDD | 42 poles + ⊕ | 69 * |
| CDS | 18 poles + ⊕ | 79 * |
| CDSH | 18 poles + ⊕ | 10 ** |
| CSH | 10 poles + ⊕ | 92 * |
| CNE, CSE | 10 poles + ⊕ | 105 * |
| CCE | 10 poles + ⊕ | 111 * |
| CSS | 10 poles + ⊕ | 123 * |
| CQE | 18 poles + ⊕ | 139 * |
| CMCE | 3+2 (aux) poles + ⊕ | 148 * |
| CMSH | 3+2 (aux) poles + ⊕ | 149 * |
| CX | 8/24 poles + ⊕ | 169 * |
| MIXO | 3 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 57 x 27 mm

hoods without entry, to be drilled



**AVAILABLE
 NOVEMBER 2017**

hoods without entry, to be drilled



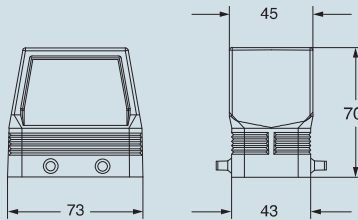
**AVAILABLE
 NOVEMBER 2017**

| description | part No. with 4 pegs | part No. with 2 pegs |
|------------------------------|-------------------------|-------------------------|
| with pegs, high construction | CAC 10 | CAC 10 L |

alternatively, hoods with pegs are coupled with fixed enclosures:
 - C-TYPE, IP65/IP66 stainless steel lever, from page 244 to page 249 catalogue CN.16
 - C7, IP67 stainless steel lever, page 275 catalogue CN.16
 - CV, IP66 stainless steel lever, page 281 and 288 catalogue CN.16

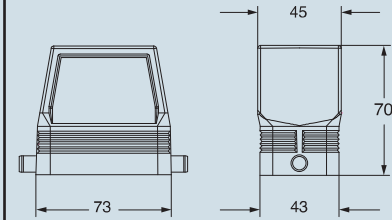
dimensions in mm

CAC



dimensions in mm

CAC L



IP degrees are according to the type of lever and:



cable gland without O-Ring gasket



cable gland equipped with O-Ring gasket

dimensions shown are not binding
 and may be changed without notice

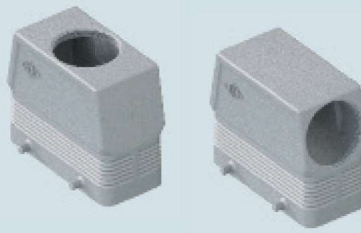


| | | |
|----------------------|-------------------------|-----------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CQE | 32 poles + ⊕ | 140 * |
| CQEE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

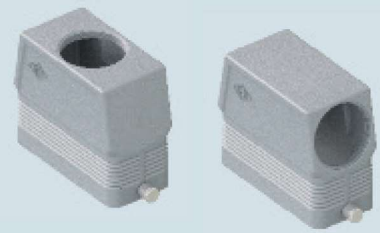
insert centre distance: 77,5 x 27 mm

hoods with 4 pegs
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

hoods with 2 pegs
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

| description | part No. | | entry | | part No. | | entry | |
|-------------------------------------------------------------|------------------|--|-------|---|-------------------|--|-------|---|
| | | | Pg | M | | | Pg | M |
| with pegs, side entry, high construction, without adaptor * | CFO 16.21 | | 21 | | MFO 16.32 | | 21 | |
| with pegs, side entry, high construction, without adaptor * | CFO 16.29 | | 29 | | MFO 16.40 | | 29 | |
| with pegs, top entry, high construction, without adaptor * | CFV 16.21 | | 21 | | MFV 16.32 | | 21 | |
| with pegs, top entry, high construction, without adaptor * | CFV 16.29 | | 29 | | MFV 16.40 | | 29 | |
| | | | | | CFO 16 L21 | | 21 | |
| | | | | | CFO 16 L29 | | 29 | |
| | | | | | CFV 16 L21 | | 21 | |
| | | | | | CFV 16 L29 | | 29 | |
| | | | | | MFO 16 L32 | | 32 | |
| | | | | | MFO 16 L40 | | 40 | |
| | | | | | MFV 16 L32 | | 32 | |
| | | | | | MFV 16 L40 | | 40 | |

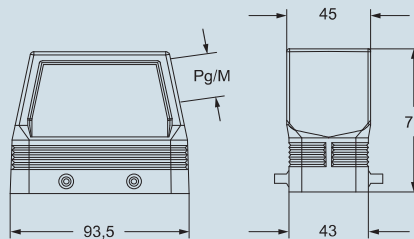
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

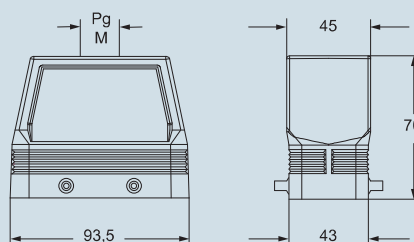
- C-TYPE, IP65/IP66 stainless steel lever, from page 250 to page 256 catalogue CN.16
- C7, IP67 stainless steel lever, page 276 catalogue CN.16
- CV, IP66 stainless steel lever, page 282 and 292 catalogue CN.16

dimensions in mm

CFO and MFO

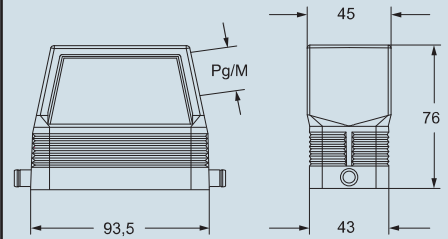


CFV and MFV

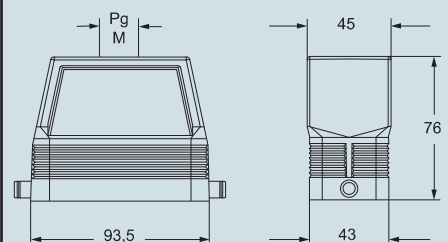


dimensions in mm

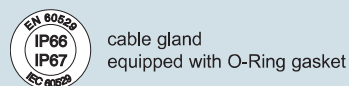
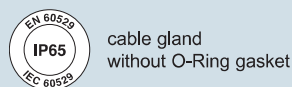
CFO L and MFO L



CFV L and MFV L



IP degrees are according to the type of lever and:



dimensions shown are not binding and may be changed without notice



| | | |
|----------------------|-------------------------|-----------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CQE | 32 poles + ⊕ | 140 * |
| CQEE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

hoods with 2 levers
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

hoods with 1 lever
 M40 cable entry with 20 mm thread length



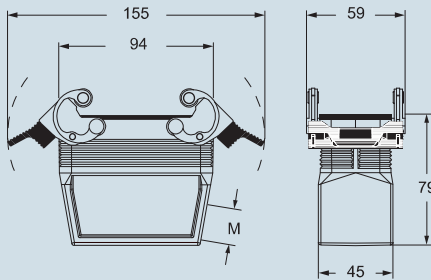
**AVAILABLE
 NOVEMBER 2017**

| description | part No. | entry M | part No. | entry M |
|--------------------------------------------------------------------------|-------------------|------------|--------------------|------------|
| with levers and gasket, side entry, high construction, without adaptor * | MFO 16 G40 | 40 | MFO 16 LG40 | 40 |
| with levers and gasket, top entry, high construction, without adaptor * | MFV 16 G40 | 40 | MFV 16 LG40 | 40 |

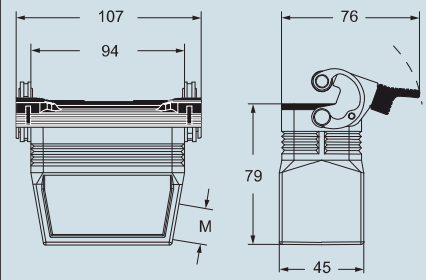
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

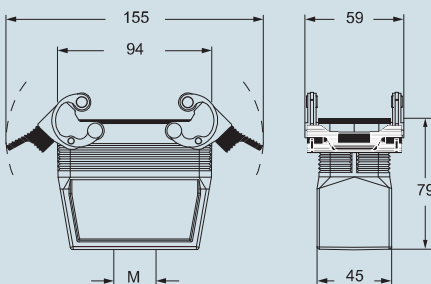
MFO G



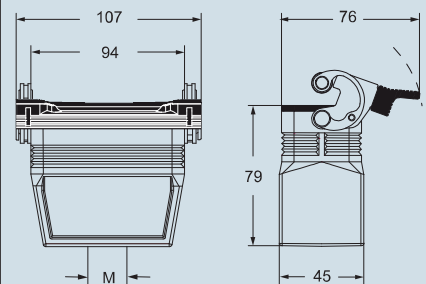
MFO LG



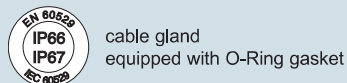
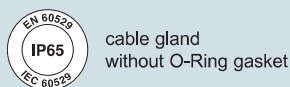
MFV G



MFV LG



IP degrees are according to the type of lever and:



dimensions shown are not binding
 and may be changed without notice

| | | |
|----------------------|-------------------------|-----------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CQE | 32 poles + ⊕ | 140 * |
| CQEE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

hoods without entry, to be drilled



**AVAILABLE
 NOVEMBER 2017**

hoods without entry, to be drilled



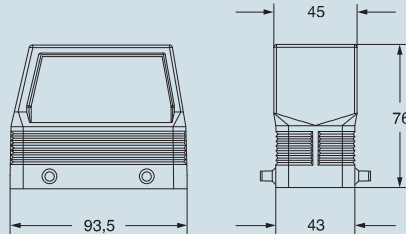
**AVAILABLE
 NOVEMBER 2017**

| description | part No. with 4 pegs | part No. with 2 pegs |
|------------------------------|-------------------------|-------------------------|
| with pegs, high construction | CAC 16 | CAC 16 L |

alternatively, hoods with pegs are coupled with fixed enclosures:
 - C-TYPE, IP65/IP66 stainless steel lever, from page 250 to page 256 catalogue CN.16
 - C7, IP67 stainless steel lever, page 276 catalogue CN.16
 - CV, IP66 stainless steel lever, page 282 and 292 catalogue CN.16

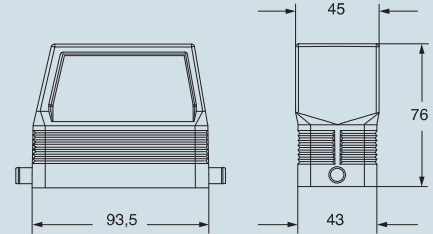
dimensions in mm

CAC

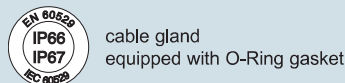
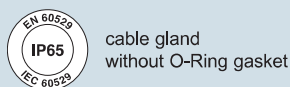


dimensions in mm

CAC L



IP degrees are according to the type of lever and:



dimensions shown are not binding
 and may be changed without notice

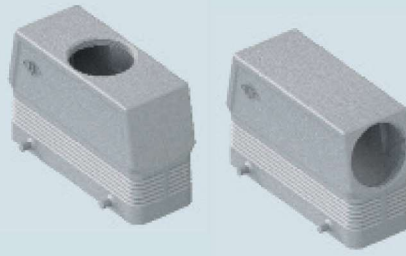


| | |
|---------------------------------|---------------|
| inserts: | page: |
| CD 64 poles + ⊕ | 59 * |
| CDD 108 poles + ⊕ | 72 * |
| CDS 42 poles + ⊕ | 81 * |
| CDSH 42 poles + ⊕ | 12 ** |
| CSH 24 poles + ⊕ | 94 * |
| CNE, CSE 24 poles + ⊕ | 107 * |
| CCE 24 poles + ⊕ | 113 * |
| CSS 24 poles + ⊕ | 125 * |
| CQE 46 poles + ⊕ | 141 * |
| CQEE 64 poles + ⊕ | 147 * |
| CMCE 10+2 (aux) poles + ⊕ | 152 * |
| CMSH 10+2 (aux) poles + ⊕ | 153 * |
| CX 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO 6 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

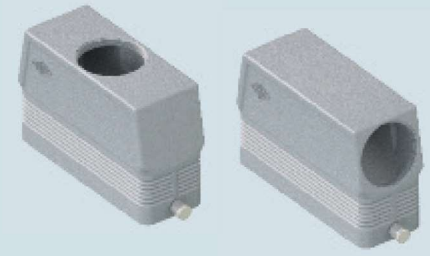
insert centre distance: 104 x 27 mm

hoods with 4 pegs
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

hoods with 2 pegs
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

| description |
|-------------------------------------------------------------|
| with pegs, side entry, high construction, without adaptor * |
| with pegs, top entry, high construction, without adaptor * |

| part No. | entry Pg | part No. | entry M |
|------------------|----------|------------------|---------|
| CFO 24.21 | 21 | MFO 24.32 | 32 |
| CFO 24.29 | 29 | MFO 24.40 | 40 |
| CFV 24.21 | 21 | MFV 24.32 | 32 |
| CFV 24.29 | 29 | MFV 24.40 | 40 |

| part No. | entry Pg | part No. | entry M |
|-------------------|----------|-------------------|---------|
| CFO 24 L21 | 21 | MFO 24 L32 | 32 |
| CFO 24 L29 | 29 | MFO 24 L40 | 40 |
| CFV 24 L21 | 21 | MFV 24 L32 | 32 |
| CFV 24 L29 | 29 | MFV 24 L40 | 40 |

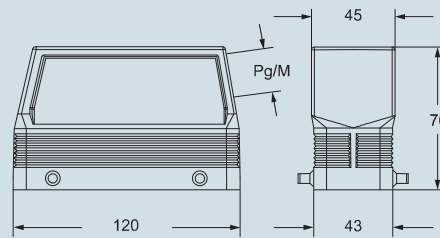
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

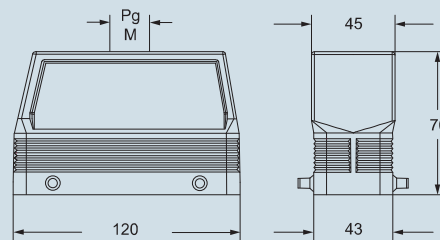
- C-TYPE, IP65/IP66 stainless steel lever, from page 258 to page 266 catalogue CN.16
- C7, IP67 stainless steel lever, page 277 catalogue CN.16
- CV, IP66 stainless steel lever, page 283 and 296 catalogue CN.16

dimensions in mm

CFO and MFO

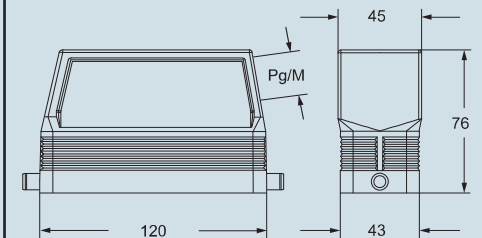


CFV and MFV

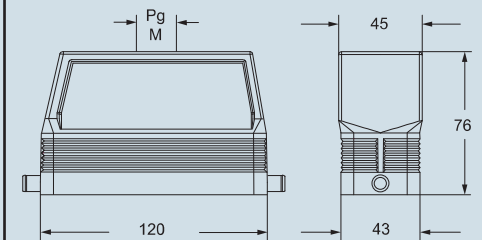


dimensions in mm

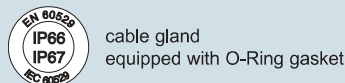
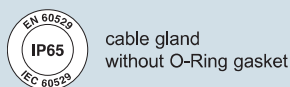
CFO L and MFO L



CFV L and MFV L



IP degrees are according to the type of lever and:



dimensions shown are not binding and may be changed without notice

| | | |
|----------------|-----------------------|---------------|
| inserts: | | page: |
| CD | 64 poles + ⊕ | 59 * |
| CDD | 108 poles + ⊕ | 72 * |
| CDS | 42 poles + ⊕ | 81 * |
| CDSH | 42 poles + ⊕ | 12 ** |
| CSH | 24 poles + ⊕ | 94 * |
| CNE, CSE | 24 poles + ⊕ | 107 * |
| CCE | 24 poles + ⊕ | 113 * |
| CSS | 24 poles + ⊕ | 125 * |
| CQE | 46 poles + ⊕ | 141 * |
| CQEE | 64 poles + ⊕ | 147 * |
| CMCE | 10+2 (aux) poles + ⊕ | 152 * |
| CMSH | 10+2 (aux) poles + ⊕ | 153 * |
| CX | 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO | 6 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

hoods with 2 levers
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

hoods with 1 lever
 M40 cable entry with 20 mm thread length



**AVAILABLE
 NOVEMBER 2017**

| description |
|------------------------------------------------------------------------------|
| with levers and gasket, side entry, high construction, without adaptor * |
| with levers and gasket, top entry, high, without adaptor * without adaptor * |

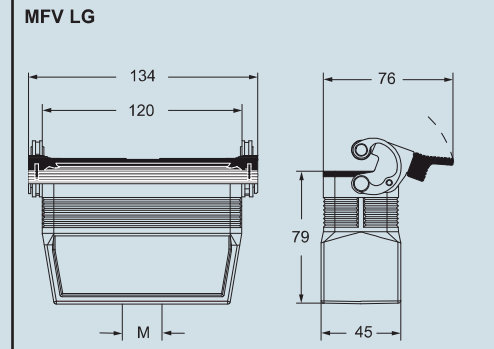
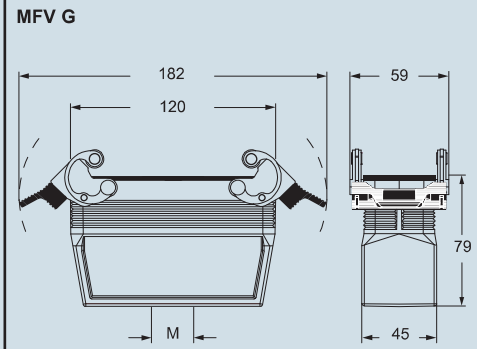
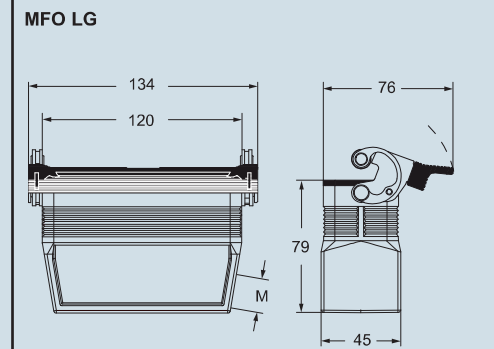
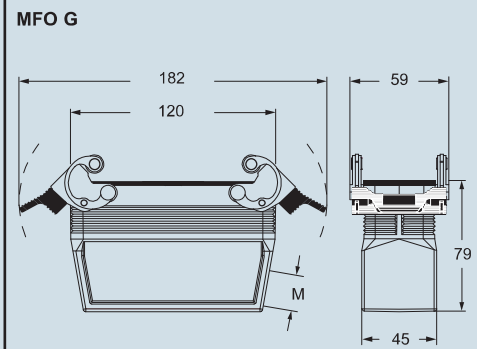
| part No. | entry M |
|-------------------|---------|
| MFO 24 G40 | 40 |
| MFV 24 G40 | 40 |

| part No. | entry M |
|--------------------|---------|
| MFO 24 LG40 | 40 |
| MFV 24 LG40 | 40 |

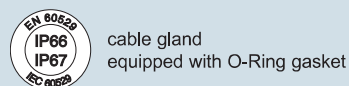
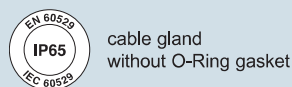
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

dimensions in mm



IP degrees are according to the type of lever and:



dimensions shown are not binding and may be changed without notice

| | |
|---------------------------------|---------------|
| inserts: | page: |
| CD 64 poles + ⊕ | 59 * |
| CDD 108 poles + ⊕ | 72 * |
| CDS 42 poles + ⊕ | 81 * |
| CDSH 42 poles + ⊕ | 12 ** |
| CSH 24 poles + ⊕ | 94 * |
| CNE, CSE 24 poles + ⊕ | 107 * |
| CCE 24 poles + ⊕ | 113 * |
| CSS 24 poles + ⊕ | 125 * |
| CQE 46 poles + ⊕ | 141 * |
| CQEE 64 poles + ⊕ | 147 * |
| CMCE 10+2 (aux) poles + ⊕ | 152 * |
| CMSH 10+2 (aux) poles + ⊕ | 153 * |
| CX 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO 6 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

hoods without entry, to be drilled



**AVAILABLE
 NOVEMBER 2017**

hoods without entry, to be drilled



**AVAILABLE
 NOVEMBER 2017**

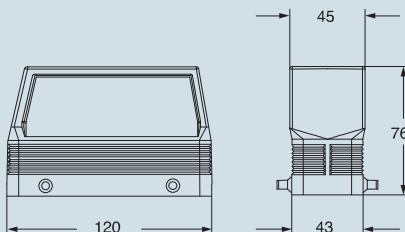
| description | part No. with 4 pegs | part No. with 2 pegs |
|------------------------------|-------------------------|-------------------------|
| with pegs, high construction | CAC 24 | CAC 24 L |

alternatively, hoods with pegs are coupled with fixed enclosures:

- C-TYPE, IP65/IP66 stainless steel lever, from page 258 to page 266 catalogue CN.16
- C7, IP67 stainless steel lever, page 277 catalogue CN.16
- CV, IP66 stainless steel lever, page 283 and 296 catalogue CN.16

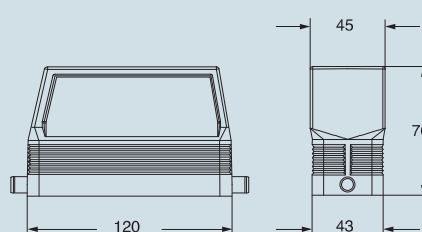
dimensions in mm

CAC

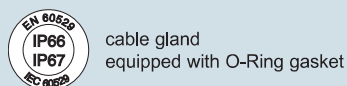
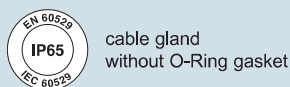


dimensions in mm

CAC L



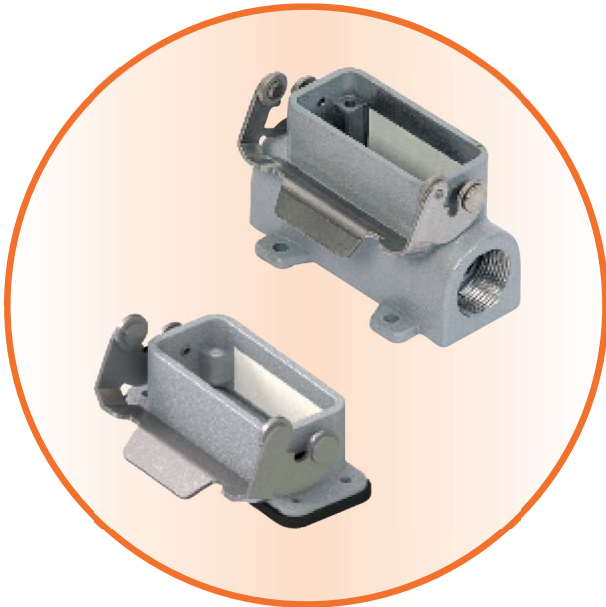
IP degrees are according to the type of lever and:



dimensions shown are not binding
 and may be changed without notice

IP67 enclosures

Size 49.16 and 66.16 with stainless steel lever



**IP67 ENCLOSURES
WITH RIGID
LOCKING LEVER**

**IP67 ENCLOSURES
WITH RIGID
LOCKING LEVER
AND HINGED COVER**



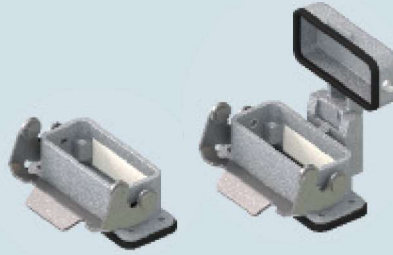


| | |
|-------------------------|-----------|
| inserts: | page: |
| CD 15 poles + ⊕ | 55 |
| CSAH 10 poles + ⊕ | 87 |
| CDA 10 poles + ⊕ | 98 |
| CDC 10 poles + ⊕ | 99 |
| MIXO 1 module | 179 - 214 |

refer to catalogue page CN.16

insert centre distance:
49 x 16 mm

bulkhead mounting housings with single lever



lever in stainless steel



AVAILABLE MAY 2017

surface mounting housings with single lever



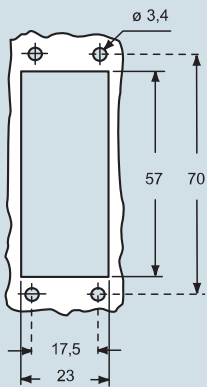
lever in stainless steel



AVAILABLE MAY 2017

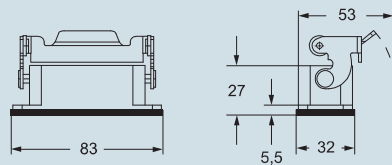
| description | part No. | part No. | entry M |
|-------------------------------------------|-------------------|---------------------|---------|
| with single lever | CZ7I 15 L | | |
| with single lever and cover | CZ7I 15 LS | | |
| with single lever with single lever | | MZ7P 15 L25 | 25 |
| | | MZ7P 15 L225 | 25 x 2 |
| with lever and cover with lever and cover | | MZ7P 15 LS25 | 25 |
| | | MZ7P 15LS225 | 25 x 2 |

panel cut-out for bulkhead mounting housings in mm

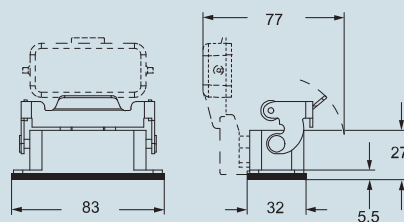


dimensions in mm

CZ7I L

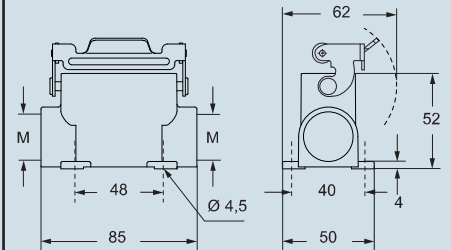


CZ7I LS

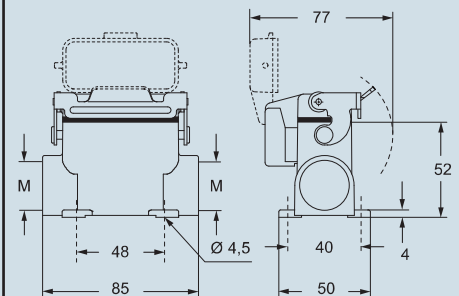


dimensions in mm

MZ7P L



MZ7P LS



Hoods:

page 231 catalogue CN.16

The new rigid lever, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor).

For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use M3 screws of suitable length (negligible surface buckling when subjected to tightening torque on the fixing screws of 0,5 - 0,8 Nm or deformation caused by the weight of the complete connector).

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

dimensions shown are not binding and may be changed without notice



| | |
|-------------------------|-------|
| inserts: | page: |
| CD 25 poles + ⊕ | 56 |
| CDD 38 poles + ⊕ | 68 |
| CSAH 16 poles + ⊕ | 88 |
| CDA 16 poles + ⊕ | 100 |
| CDC 16 poles + ⊕ | 101 |

refer to catalogue page CN.16

insert centre distance:
66 x 16 mm

bulkhead mounting housings with single lever



lever in stainless steel



AVAILABLE MAY 2017

surface mounting housings with single lever



lever in stainless steel



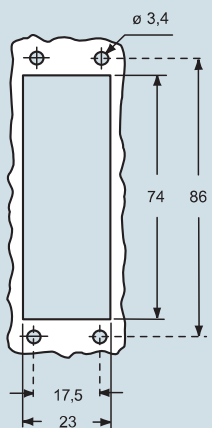
AVAILABLE MAY 2017

| | |
|------------------------------------------------|-------------------|
| description | part No. |
| with single lever | CZ7I 25 L |
| with single lever and cover | CZ7I 25 LS |
| with single lever, high construction | |
| with single lever, high construction | |
| with single lever and cover, high construction | |
| with single lever and cover, high construction | |

| | |
|----------|-------|
| part No. | entry |
| | M |
| | |
| | |
| | |
| | |

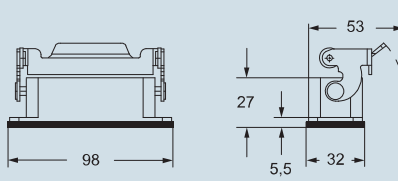
| | |
|---------------------|--------|
| part No. | entry |
| | M |
| MZ7P 25 L25 | 25 |
| MZ7P 25 L225 | 25 x 2 |
| | |
| MZ7P 25LS25 | 25 |
| MZ7P 25LS225 | 25 x 2 |

panel cut-out for bulkhead mounting housings in mm

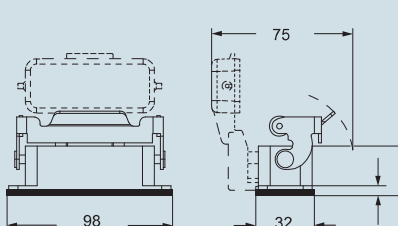


dimensions in mm

CZ7I L

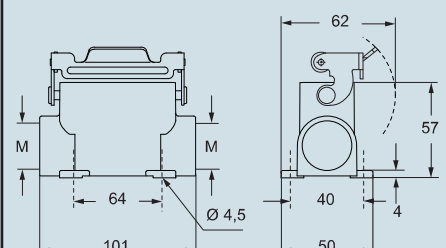


CZ7I LS

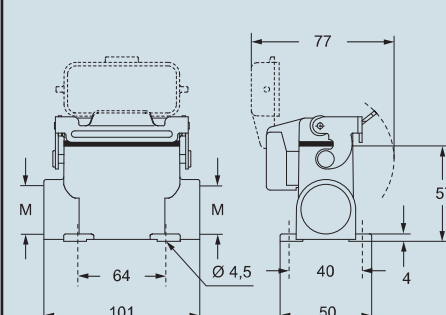


dimensions in mm

MZ7P L



MZ7P LS



Hoods:

page 234 catalogue CN.16

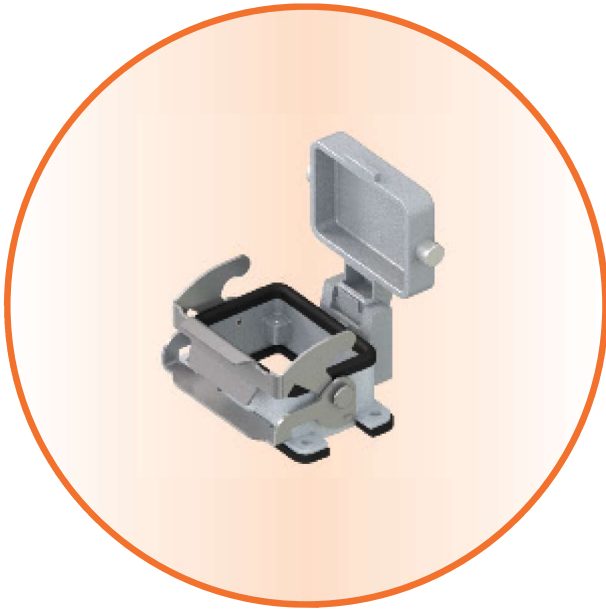
The new rigid lever, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor).

For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use M3 screws of suitable length (negligible surface buckling when subjected to tightening torque on the fixing screws of 0,5 - 0,8 Nm or deformation caused by the weight of the complete connector).
In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

dimensions shown are not binding and may be changed without notice

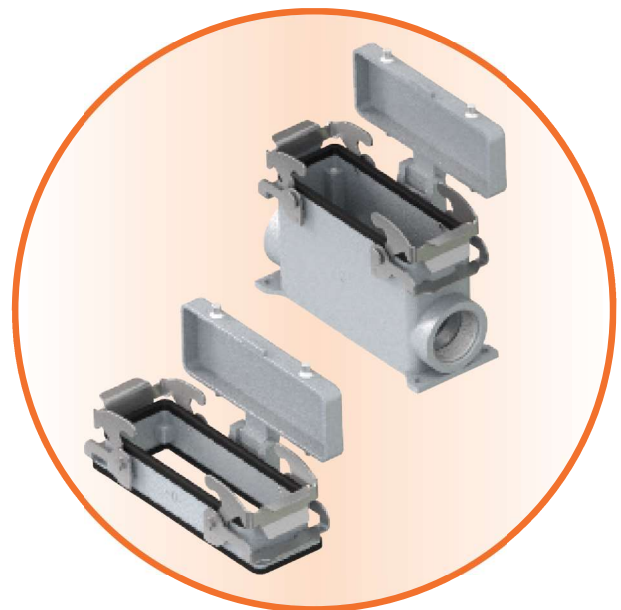
IP67 enclosures with 1 or 2 levers and cover

Stainless steel lever, vertical closing



IP67 ENCLOSURES
WITH COVER,
BULKHEAD OR SURFACE
MOUNTING HOUSINGS

HINGED
COVER
AND
2 LEVERS





| | |
|----------------------------|-------------|
| inserts: | page: |
| CDD 24 poles + ⊕ | 67 * |
| CDS 9 poles + ⊕ | 78 * |
| CDSH 9 poles + ⊕ | 9 ** |
| CSH 6 poles + ⊕ | 91 * |
| CNE, CSE 6 poles + ⊕ | 104 * |
| CCE 6 poles + ⊕ | 110 * |
| CSS 6 poles + ⊕ | 122 * |
| CT, CTSE (16A) *) | 130 * |
| CQE 10 poles + ⊕ | 138 * |
| MIXO 2 modules | 179 - 215 * |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 44 x 27 mm

bulkhead mounting housings with single lever and metal cover



lever in stainless steel



AVAILABLE MAY 2017

surface mounting housings with single lever and metal cover



lever in stainless steel

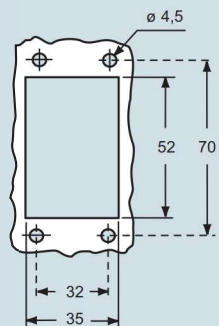


AVAILABLE MAY 2017

| description | part No. |
|-------------------------------------------------------|------------------|
| with lever and cover, size "44.27" | C7I 06 LS |
| with lever and cover, size "44.27" | |
| with lever and cover, high construction, size "44.27" | |
| with lever and cover, high construction, size "44.27" | |
| with lever and cover, high construction, size "44.27" | |
| with lever and cover, high construction, size "44.27" | |

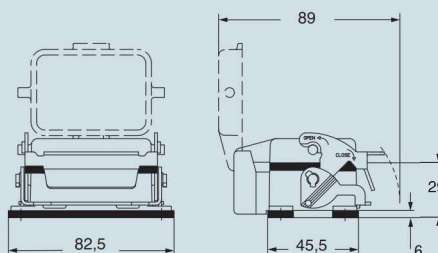
| part No. | entry |
|---------------------|--------|
| | M |
| M7P 06 LS20 | 20 |
| M7P 06 LS220 | 20 x 2 |
| M7AP 06 LS32 | 32 |
| M7AP 06LS232 | 32 x 2 |
| M7AP 06 LS40 | 40 |
| M7AP 06LS240 | 40 x 2 |

panel cut-out for bulkhead mounting housings in mm



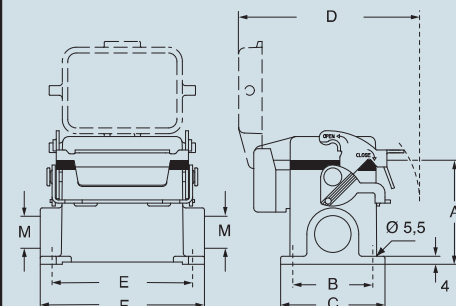
dimensions in mm

C7I LS



dimensions in mm

M7P LS - M7AP LS



The new lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor).

For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use M4 screws of suitable length (negligible surface buckling when subjected to tightening torque on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

| type | A | B | C | D | E | F |
|-------------------|----|----|----|----|----|----|
| M7P 06 LS | 53 | 40 | 52 | 91 | 70 | 82 |
| M7AP 06 LS | 73 | 45 | 57 | 91 | 70 | 82 |

Hoods:

page 18 **page 304 - 306 catalogue CN.16**

dimensions shown are not binding and may be changed without notice



| inserts: | | page: |
|----------------------|-------------------------|-----------|
| CD | 40 poles + ⊕ | 57 * |
| CT, CTS (10A) * | 40 poles + ⊕ | 64 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CT, CTSE (16A) * | 16 poles + ⊕ | 132 * |
| CQE | 32 poles + ⊕ | 140 * |
| CQEE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

bulkhead mounting housings with 2 levers and metal cover



lever in stainless steel



AVAILABLE NOVEMBER 2017

surface mounting housings with 2 levers and metal cover



lever in stainless steel

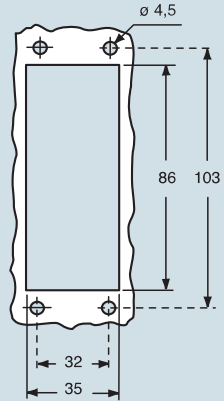


AVAILABLE NOVEMBER 2017

| description | part No. |
|---------------------------------------------------------|-----------------|
| with levers and cover, size "77.27" | C71 16 S |
| with levers and cover,, high construction, size "77.27" | |
| with levers and cover,, high construction, size "77.27" | |

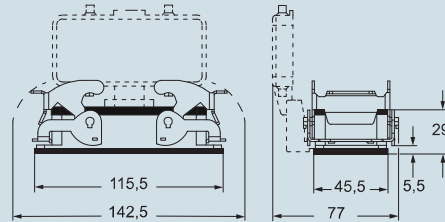
| part No. | entry |
|---------------------|--------|
| | M |
| M7AP 16 S32 | 32 |
| M7AP 16 S232 | 32 x 2 |

panel cut-out for bulkhead mounting housings in mm



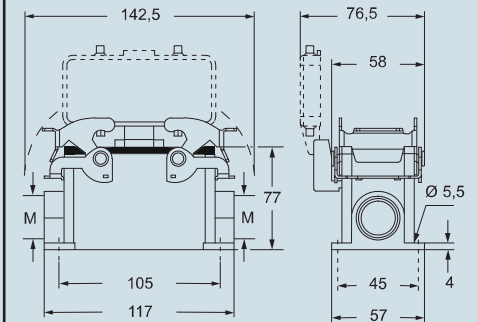
dimensions in mm

C71 S



dimensions in mm

M7AP S



The new lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor).

For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use M4 screws of suitable length (negligible surface buckling when subjected to tightening torque on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

Hoods:



page 252 catalogue CN.16

page 312 - 315 catalogue CN.16

dimensions shown are not binding and may be changed without notice



| | | |
|---------------------|-----------------------|---------------|
| inserts: | | page: |
| CD | 64 poles + ⊕ | 59 * |
| CT, CTS (10A) *) .. | 64 poles + ⊕ | 65 * |
| CDD | 108 poles + ⊕ | 72 * |
| CDS | 42 poles + ⊕ | 81 * |
| CDSH | 42 poles + ⊕ | 12 ** |
| CSH | 24 poles + ⊕ | 94 * |
| CNE, CSE | 24 poles + ⊕ | 107 * |
| CCE | 24 poles + ⊕ | 113 * |
| CSS | 24 poles + ⊕ | 125 * |
| CT, CTSE (16A) *) | 24 poles + ⊕ | 133 * |
| CQE | 46 poles + ⊕ | 141 * |
| CQEE | 64 poles + ⊕ | 147 * |
| CMCE | 10+2 (aux) poles + ⊕ | 152 * |
| CMSH | 10+2 (aux) poles + ⊕ | 153 * |
| CX | 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO | 6 modules | 179-215 * |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

bulkhead mounting housings with 2 levers and metal cover



lever in stainless steel



AVAILABLE NOVEMBER 2017

surface mounting housings with 2 levers and metal cover



lever in stainless steel

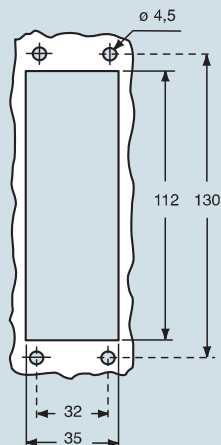


AVAILABLE NOVEMBER 2017

| description | part No. |
|---------------------------------------------------------|-----------------|
| with levers and cover, size "104.27" | C7I 24 S |
| with levers and cover, high construction, size "104.27" | |
| with levers and cover, high construction, size "104.27" | |

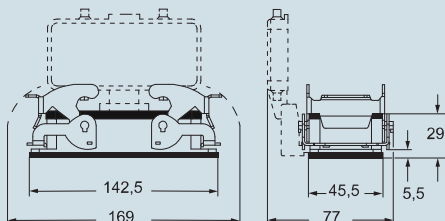
| part No. | entry |
|---------------------|--------|
| | M |
| M7AP 24 S32 | 32 |
| M7AP 24 S232 | 32 x 2 |

panel cut-out for bulkhead mounting housings in mm



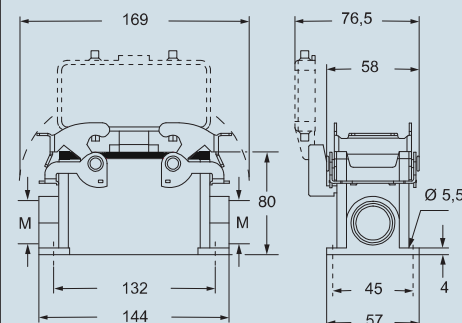
dimensions in mm

C7I S



dimensions in mm

M7AP S



The new lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor).

For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use M4 screws of suitable length (negligible surface buckling when subjected to tightening torque on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

Hoods:



page 260 catalogue CN.16

page 316 - 319 catalogue CN.16

dimensions shown are not binding and may be changed without notice

E-Xtreme® series

Titanium plasma protected

3.000 hours in salt spray tests



E-Xtreme® series

3.000 hours in salt spray tests

TECHNICAL DETAILS

The protection is granted also in case of impact with stones and sand. The materials are able to withstand UV radiations, a wide temperature range and harsh chemicals. The E-Xtreme® series is available in the **full range** of Ime aluminum hoods and housings versions.

Applicable test standards

| | |
|--------------------------------------|------------------------------------------------------------------------------------------------------------|
| EN 61984:2009-06 | Connectors - Safety requirements and tests |
| EN 60529: 1991 + A1: 2000 + A2: 2013 | Degrees of protection provided by enclosures (IP code) |
| EN ISO 9227: 2012 | Corrosion tests in artificial atmospheres - Salt spray tests |
| ASTM B117-16 | Standard practice for operating salt spray (fog) apparatus |
| EN 60512 (series) | Connectors for electronic equipment - Tests and measurement |
| EN 60068-2-68: 1996 | Environmental testing - Part 2-68: Tests - Test L: Dust and sand |
| EN ISO 20567-1: 2005 | Paints and varnishes -- Determination of stone-chip resistance of coatings -- Part 1: Multi-impact testing |

General specifications

| | |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Material | Aluminum die-cast |
| Painting | Epoxy powder coating |
| Colour | RAL 7016 (dark grey) |
| Locking lever, springs and pegs | Stainless steel |
| Lever handle | C-TYPE lever: Polyamide V-TYPE lever: Stainless steel |
| Gasket | FKM |
| Silicone-based compounds | Free (except version for -60 °C... +180 °C) |
| EN ISO 9227: 2012 | 3.000 hours (V-TYPE lever and hood with moulded pegs) 2.000 hours (C-TYPE lever and hood with riveted stainless steel bolts) |
| Temperature limits | -40 °C... +125 °C (-60 °C... +180 °C with silicone gasket) |
| Degree of protection according to IEC/EN 60529 (in mated and locked condition) | IP44, IP65/IP69, IP66/IP69, IP66/IP67/IP69, IP66/IP68/IP69 |
| Stone chipping test | ISO 20567-1 |
| Dust and sand blasting test | EN 60068-2-68 |
| Vibration test | EN 61373 cat. 1B, 3 axis EN 60068-2-6 10+500 Hz 0,35mm/5g break point 60, 1 Hz 3 axis |
| Shock test | EN 61373 cat. 1B, 3 axis |
| UV resistance | EN ISO 4892-2, EN 50467 on locked housings |
| Ozone resistance | EN 50467 on locked housings |
| Chemical resistance | Cleaning fluids, anti-freezing fluids, mineral and synthetic oils, cooling fluids, diesel fuel |

E-Xtreme® series

Corrosion-proof metal enclosures

ADVANTAGES

Metal hoods and housings intended for **extremely demanding environments**, with special protective treatment under painting. Their **special patented protective coating** assures a high level of protection against the corrosion even in case of long term exposure to salt mist.

- 3.000 hours in salt spray tests



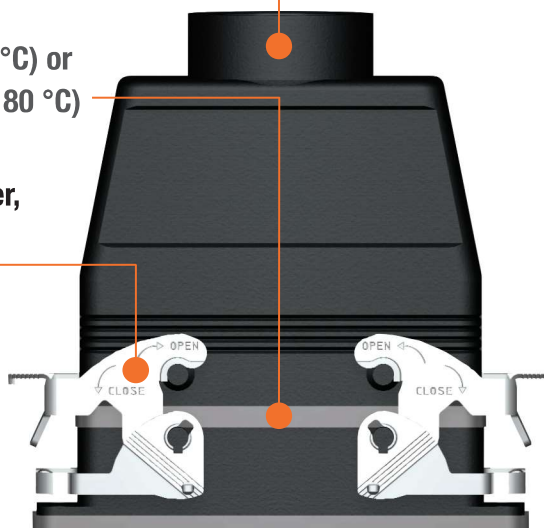
- IP66, IP67, IP69 degree of protection (EN 60529)

- corrosion-proof aluminium with a special coating under the powder painting colour RAL 7016 dark grey

- FKM gasket (-40 °C...+180 °C) or silicone gasket (-60 °C...+180 °C)

- V-TYPE lever or C-TYPE lever, hoods with moulded pegs or riveted stainless steel bolts

- durable protection against damage caused by stone chip, icing, salt mist, UV radiations and harsh gases



icing



very low temperatures



salt mist



impact resistant



UV radiations



chemical resistant



E-Xtreme® series



E-Xtreme® ENCLOSURES

EN ISO 9227 (2012): 3.000 hrs - 2.000 hrs

V-TYPE IP67

from page 42

Water tightness in a limited space

- Metallic
- Lever in stainless steel
- IP66/IP67



V-TYPE IP67

from page 42

Water tightness in a limited space

- Metallic
- Lever in stainless steel
- IP66/IP67



HOODS - MOULDED PEGS

Metallic

- Moulded pegs
- IP66/IP67



from page 43

EN ISO 9227 (2012): 2.000 hrs

CKAXE

from page 50

Metallic

- IP44, IP66/67
- Lever in stainless steel



MKAXE .. IAF

from page 50

Metallic

- IP44, IP66/67
- Lever in stainless steel



MKAE

from page 50

Metallic

- IP44, IP66/67



EN ISO 9227 (2012): 2.000 hrs

CZ IP67

from page 52

Water tightness in a limited space

- Metallic
- Lever in stainless steel
- IP66/IP67



CZ IP67

from page 52

Water tightness in a limited space

- Metallic
- Lever in stainless steel
- IP66/IP67



HOODS - RIVETED PEGS

Water tightness in a limited space

- Metallic
- Stainless steel riveted pegs
- IP66/IP67



from page 52

E-Xtreme® ENCLOSURES

EN ISO 9227 (2012): 2.000 hrs

C-TYPE

from page 54

Classic, flexible

- Metallic
- CLASS rotative lever
- IP65/IP66



C-TYPE

from page 54

Classic, flexible

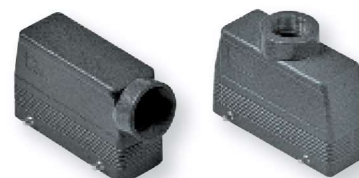
- Metallic
- CLASS rotative lever
- IP65/IP66



HOODS - RIVETED PEGS

Classic, flexible

- Metallic
- Stainless steel riveted pegs
- IP65/IP66



from page 54

EN ISO 9227 (2012): 2.000 hrs

C-TYPE

from page 54

Classic, flexible

- Metallic
- CLASS rotative lever
- IP65/IP66



C-TYPE

from page 54

Classic, flexible

- Metallic
- Lever in stainless steel
- IP65/IP66



HOODS

from page 54

Classic, flexible

- Metallic
- Stainless steel riveted pegs
- IP65/IP66



EN ISO 9227 (2012): 3.000 hrs

IP68

from page 61

Water tight

- Mechanical robustness
- Resistant to chemical agents
- Screw or bayonet locking
- IP66/IP68



IP68

from page 61

Water tight

- Mechanical robustness
- Resistant to chemical agents
- Screw or bayonet locking
- IP66/IP68



IP68

from page 61

Water tight

- Mechanical robustness
- Resistant to chemical agents
- Screw or bayonet locking
- IP66/IP68





| | |
|----------------------------|-------------|
| inserts: | page: |
| CDD 24 poles + ⊕ | 67 * |
| CDS 9 poles + ⊕ | 78 * |
| CDSH 9 poles + ⊕ | 9 ** |
| CSH 6 poles + ⊕ | 91 * |
| CNE, CSE 6 poles + ⊕ | 104 * |
| CCE 6 poles + ⊕ | 110 * |
| CSS 6 poles + ⊕ | 122 * |
| CT, CTSE (16A) *) | 130 * |
| CQE 10 poles + ⊕ | 138 * |
| MIXO 2 modules | 179 - 215 * |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 44 x 27 mm

bulkhead mounting housings with single lever in stainless steel



lever in stainless steel

3.000 hrs

AVAILABLE 2017

surface mounting housings with single lever in stainless steel



lever in stainless steel

2.000 hrs

AVAILABLE 2017

| description |
|---------------------------------------------|
| with lever, size "44.27" |
| with lever, size "44.27" |
| with lever, high construction, size "44.27" |
| with lever, high construction, size "44.27" |
| with lever, high construction, size "44.27" |
| with lever, high construction, size "44.27" |

| part No. |
|-----------|
| C7IE 06 L |

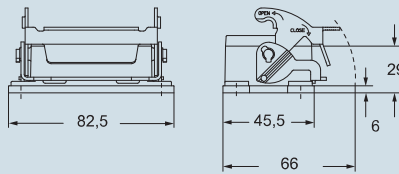
| part No. | entry M |
|--------------|---------|
| M7PE 06 L20 | 20 |
| M7PE 06 L220 | 20 x 2 |
| M7APE 06 L32 | 32 |
| M7APE 06L232 | 32 x 2 |
| M7APE 06 L40 | 40 |
| M7APE 06L240 | 40 x 2 |

TECHNICAL DETAILS:

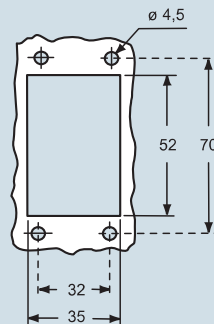
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) for surface mounting housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)

dimensions in mm

C7IE L

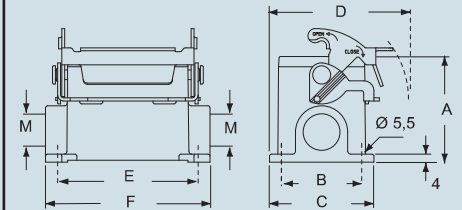


panel cut-out for bulkhead mounting housings in mm



dimensions in mm

M7PE L - M7APE L



| type | A | B | C | D | E | F |
|------------|----|----|----|------|----|----|
| M7PE 06 L | 53 | 40 | 52 | 70 | 70 | 82 |
| M7APE 06 L | 73 | 45 | 57 | 72,5 | 70 | 82 |

For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | |
|-----------------------------------|-------------|
| inserts: | page: |
| CDD 24 poles + ⊕ | 67 * |
| CDS 9 poles + ⊕ | 78 * |
| CDSH 9 poles + ⊕ | 9 ** |
| CSH 6 poles + ⊕ | 91 * |
| CNE, CSE 6 poles + ⊕ | 104 * |
| CCE 6 poles + ⊕ | 110 * |
| CSS 6 poles + ⊕ | 122 * |
| CQE 10 poles + ⊕ | 138 * |
| MIXO 2 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
44 x 27 mm

hoods with 2 moulded pegs



3.000 hrs

AVAILABLE 2017

| description | part No. | entry M |
|-------------------------------------------------------------|-----------------------------------|------------|
| with pegs, side entry | MHOE 06 L20M | 20 |
| with pegs, side entry | MHOE 06 L25M | 25 |
| with pegs, side entry, high construction, without adaptor * | MFOE 06 L32M | 32 |
| with pegs, side entry, high construction, without adaptor * | MFOE 06 L40M | 40 |
| with pegs, top entry | MHVE 06 L20M ¹⁾ | 20 |
| with pegs, top entry | MHVE 06 L25M ¹⁾ | 25 |
| with pegs, top entry, high construction, without adaptor * | MFVE 06 L32M | 32 |
| with pegs, top entry, high construction, without adaptor * | MFVE 06 L40M | 40 |

* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

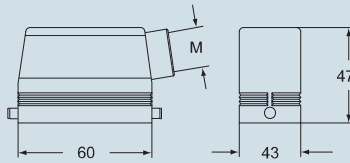
¹⁾ cannot be used with MIXO series

TECHNICAL DETAILS:

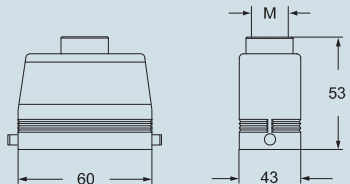
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)
- alternatively, hoods with pegs are coupled with fixed enclosures:
 - C7 E-Xtreme®, IP66/IP67, page 40
 - C-TYPE E-Xtreme®, IP66, page 53

dimensions in mm

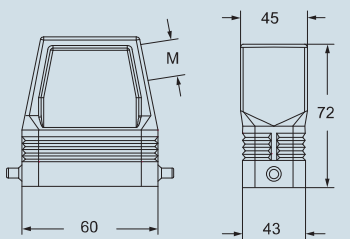
MHOE L..M



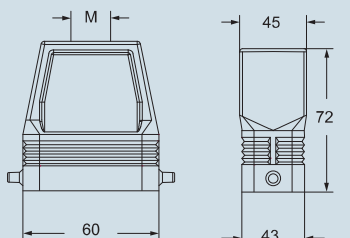
MHVE L..M



MFOE L..M



MFVE L..M



according to the type of lever
 IP69 according to IEC/EN 60529

dimensions shown are not binding
 and may be changed without notice

| | |
|--------------------------------|-------------|
| inserts: | page: |
| CDD 42 poles + ⊕ | 69 * |
| CDS 18 poles + ⊕ | 79 * |
| CDSH 18 poles + ⊕ | 10 ** |
| CSH 10 poles + ⊕ | 92 * |
| CNE, CSE 10 poles + ⊕ | 105 * |
| CCE 10 poles + ⊕ | 111 * |
| CSS 10 poles + ⊕ | 123 * |
| CT, CTSE (16A) *) 10 poles + ⊕ | 131 * |
| CQE 18 poles + ⊕ | 139 * |
| CMCE 3+2 (aux) poles + ⊕ | 148 * |
| CMSH 3+2 (aux) poles + ⊕ | 149 * |
| CX 8/24 poles + ⊕ | 169 * |
| MIXO 3 modules | 179 - 215 * |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 57 x 27 mm

bulkhead mounting housings with 2 levers in stainless steel



lever in stainless steel

3.000 hrs

AVAILABLE 2017

surface mounting housings with 2 levers in stainless steel



lever in stainless steel

2.000 hrs

AVAILABLE 2017

| description |
|----------------------------------------------|
| with levers, size "57.27" |
| with levers, size "57.27" |
| with levers, high construction, size "57.27" |
| with levers, high construction, size "57.27" |
| with levers, high construction, size "57.27" |
| with levers, high construction, size "57.27" |

| part No. |
|----------------|
| C7IE 10 |

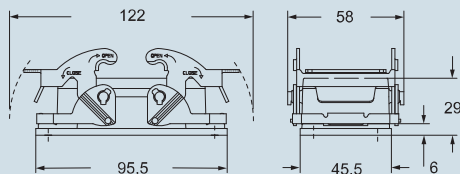
| part No. | entry M |
|---------------------|---------|
| M7PE 10.20 | 20 |
| M7PE 10.220 | 20 x 2 |
| M7APE 10.32 | 32 |
| M7APE 10.232 | 32 x 2 |
| M7APE 10.40 | 40 |
| M7APE 10.240 | 40 x 2 |

TECHNICAL DETAILS:

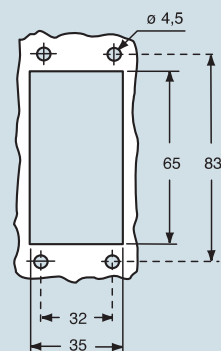
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) for surface mounting housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)

dimensions in mm

C7IE



panel cut-out for bulkhead mounting housings in mm



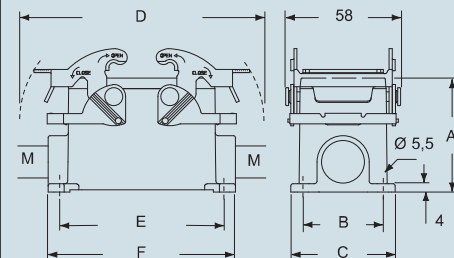
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

dimensions in mm

M7PE - M7APE



| type | A | B | C | D | E | F |
|-----------------|----|----|----|-----|----|------|
| M7PE 10 | 57 | 40 | 52 | 122 | 82 | 93,5 |
| M7APE 10 | 73 | 45 | 57 | 122 | 82 | 93,5 |



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | | |
|-----------------------|---------------------|-------------|
| inserts: | | page: |
| CDD | 42 poles + ⊕ | 69 * |
| CDS | 18 poles + ⊕ | 79 * |
| CDSH | 18 poles + ⊕ | 10 ** |
| CSH | 10 poles + ⊕ | 92 * |
| CNE, CSE | 10 poles + ⊕ | 105 * |
| CCE | 10 poles + ⊕ | 111 * |
| CSS | 10 poles + ⊕ | 123 * |
| CQE | 18 poles + ⊕ | 139 * |
| CMCE | 3+2 (aux) poles + ⊕ | 148 * |
| CMSH | 3+2 (aux) poles + ⊕ | 149 * |
| CX | 8/24 poles + ⊕ | 169 * |
| MIXO | 3 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 57 x 27 mm

hoods with 4 moulded pegs



3.000 hrs

AVAILABLE 2017

| description | part No. | entry M |
|-------------------------------------------------------------|-----------------------|------------|
| with pegs, side entry | MHOE 10.20M | 20 |
| with pegs, side entry | MHOE 10.25M | 25 |
| with pegs, side entry, high construction, without adaptor * | MFOE 10.32M | 32 |
| with pegs, side entry, high construction, without adaptor * | MFOE 10.40M | 40 |
| with pegs, top entry | MHVE 10.20M ** | 20 |
| with pegs, top entry | MHVE 10.25M | 25 |
| with pegs, top entry, high construction, without adaptor * | MFVE 10.32M | 32 |
| with pegs, top entry, high construction, without adaptor * | MFVE 10.40M | 40 |

* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

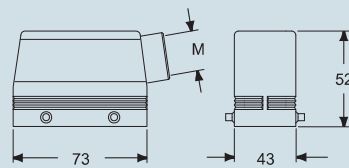
** can only be used with a complete cable gland (to be purchased separately)

TECHNICAL DETAILS:

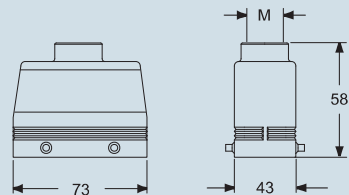
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)
- alternatively, hoods with pegs are coupled with fixed enclosures:
 - C7 E-Xtreme®, IP66/IP67, page 42
 - C-TYPE E-Xtreme®, IP66, page 54

dimensions in mm

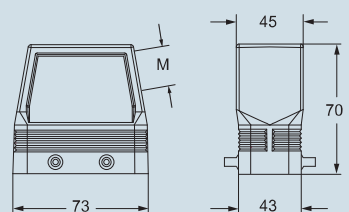
MHOE..M



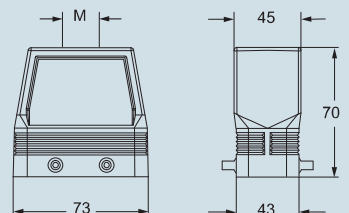
MHVE..M



MFOE..M



MFVE..M



according to the type of lever
 IP69 according to IEC/EN 60529

dimensions shown are not binding
 and may be changed without notice



| inserts: | | poles + ⊕ | page: |
|----------------------|---------------|-------------------|-------|
| CD | 40 | 57 * | |
| CT, CTS (10A) * | 40 | 64 * | |
| CDD | 72 | 70 * | |
| CDS | 27 | 80 * | |
| CDSH | 27 | 11 ** | |
| CSH | 16 | 93 * | |
| CNE, CSE | 16 | 106 * | |
| CCE | 16 | 112 * | |
| CSS | 16 | 124 * | |
| CT, CTSE (16A) * | 16 | 132 * | |
| CQE | 32 | 140 * | |
| CQEE | 40 | 146 * | |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * | |
| CP | 6 | 162 * | |
| CX | 6/12 | 21 ** | |
| CX | 6/36 and 12/2 | 170-171 * | |
| CX | 4/0 and 4/2 | 172 * | |
| MIXO | 4 | modules 179-215 * | |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

bulkhead mounting housings with 2 levers in stainless steel



lever in stainless steel

3.000 hrs

AVAILABLE 2017

surface mounting housings with 2 levers in stainless steel



lever in stainless steel

2.000 hrs

AVAILABLE 2017

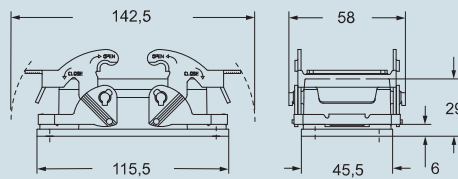
| description | part No. | part No. | entry |
|----------------------------------------------|----------------|---------------------|--------|
| | | | M |
| with levers, size "77.27" | C7IE 16 | | |
| with levers, size "77.27" | | M7PE 16.25 | 25 |
| with levers, size "77.27" | | M7PE 16.225 | 25 x 2 |
| with levers, high construction, size "77.27" | | M7APE 16.32 | 32 |
| with levers, high construction, size "77.27" | | M7APE 16.232 | 32 x 2 |
| with levers, high construction, size "77.27" | | M7APE 16.40 | 40 |
| with levers, high construction, size "77.27" | | M7APE 16.240 | 40 x 2 |

TECHNICAL DETAILS:

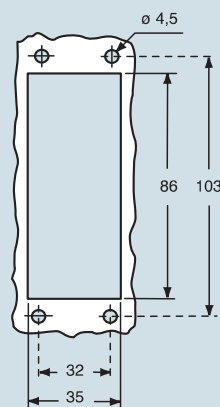
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) for surface mounting housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)

dimensions in mm

C7IE



panel cut-out for bulkhead mounting housings in mm



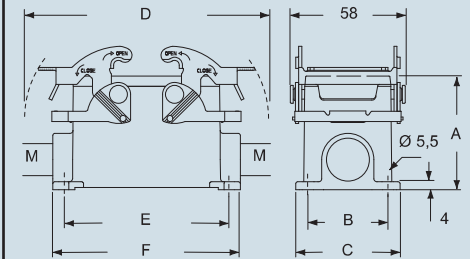
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

dimensions in mm

M7PE - M7APE



| type | A | B | C | D | E | F |
|-----------------|----|----|----|-------|-----|-----|
| M7PE 16 | 63 | 45 | 57 | 142,5 | 105 | 117 |
| M7APE 16 | 77 | 45 | 57 | 142,5 | 105 | 117 |



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

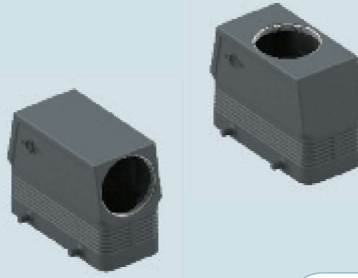
| | | |
|----------------------------|-------------------------|-----------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CQE | 32 poles + ⊕ | 140 * |
| CQEE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

hoods with 4 moulded pegs



3.000 hrs

AVAILABLE 2017

| description | part No. | entry M |
|-------------------------------------------------------------|----------------|------------|
| with pegs, side entry | MHOE 16.25M | 25 |
| with pegs, side entry | MHOE 16.32M | 32 |
| with pegs, side entry, high construction, without adaptor * | MFOE 16.32M | 32 |
| with pegs, side entry, high construction, without adaptor * | MFOE 16.40M | 40 |
| with pegs, top entry | MHVE 16.25M ** | 25 |
| with pegs, top entry | MHVE 16.32M | 32 |
| with pegs, top entry, high construction, without adaptor * | MFVE 16.32M | 32 |
| with pegs, top entry, high construction, without adaptor * | MFVE 16.40M | 40 |

* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

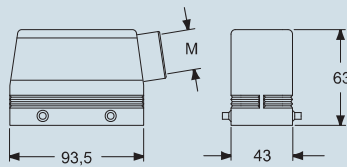
** can only be used with a complete cable gland (to be purchased separately)

TECHNICAL DETAILS:

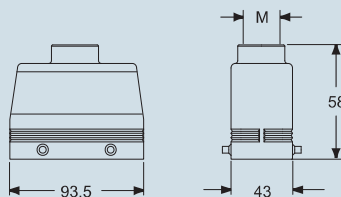
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)
- alternatively, hoods with pegs are coupled with fixed enclosures:
 - C7 E-Xtreme®, IP66/IP67, page 44
 - C-TYPE E-Xtreme®, IP66, page 55

dimensions in mm

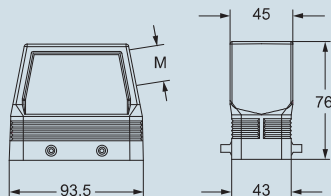
MHOE..M



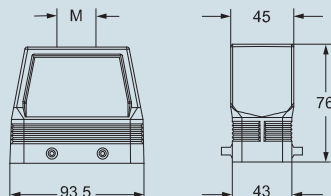
MHVE..M



MFOE..M



MFVE..M



according to the type of lever
IP69 according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice



| inserts: | | page: |
|---------------------|-----------------------|---------------|
| CD | 64 poles + ⊕ | 59 * |
| CT, CTS (10A) *) .. | 64 poles + ⊕ | 65 * |
| CDD | 108 poles + ⊕ | 72 * |
| CDS | 42 poles + ⊕ | 81 * |
| CDSH | 42 poles + ⊕ | 12 ** |
| CSH | 24 poles + ⊕ | 94 * |
| CNE, CSE | 24 poles + ⊕ | 107 * |
| CCE | 24 poles + ⊕ | 113 * |
| CSS | 24 poles + ⊕ | 125 * |
| CT, CTSE (16A) *) | 24 poles + ⊕ | 133 * |
| CQE | 46 poles + ⊕ | 141 * |
| CQEE | 64 poles + ⊕ | 147 * |
| CMCE | 10+2 (aux) poles + ⊕ | 152 * |
| CMSH | 10+2 (aux) poles + ⊕ | 153 * |
| CX | 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO | 6 modules | 179-215 * |

*) can be used only in bulkhead mounting housings

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

bulkhead mounting housings with 2 levers in stainless steel



lever in stainless steel

3.000 hrs

AVAILABLE 2017

surface mounting housings with 2 levers in stainless steel



lever in stainless steel

2.000 hrs

AVAILABLE 2017

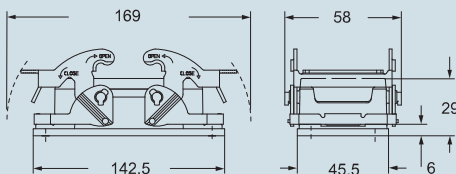
| description | part No. | part No. | entry M |
|-----------------------------------------------|----------------|---------------------|---------|
| with levers, size "104.27" | C7IE 24 | | |
| with levers, size "104.27" | | M7PE 24.25 | 25 |
| with levers, size "104.27" | | M7PE 24.225 | 25 x 2 |
| with levers, high construction, size "104.27" | | M7APE 24.32 | 32 |
| with levers, high construction, size "104.27" | | M7APE 24.232 | 32 x 2 |
| with levers, high construction, size "104.27" | | M7APE 24.40 | 40 |
| with levers, high construction, size "104.27" | | M7APE 24.240 | 40 x 2 |

TECHNICAL DETAILS:

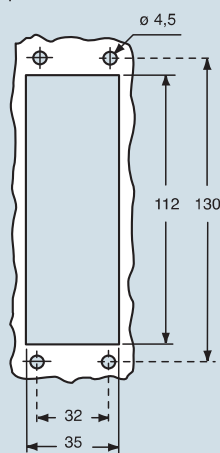
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) for surface mounting housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)

dimensions in mm

C7I



panel cut-out for bulkhead mounting housings in mm



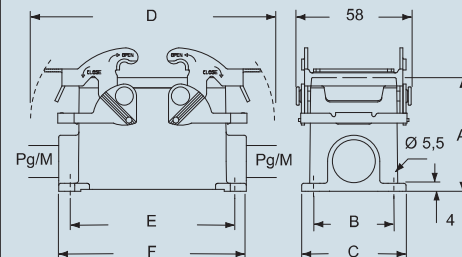
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete connector).

In case of insufficient rigidity use of C7.. FL flanges (page 278 catalogue CN.16) is recommended, in which case use suitable length M4 screws and M4 (on the enclosure) and M4 (on the flange) flat/spring washers with M4 locknut.

In addition, the panel surface in contact with the flange gasket of the bulkhead mounting housings must be free from defects (deep scratches, grooves, burrs) that could negatively affect the performance of the gasket.

dimensions in mm

C7P - C7AP and M7P - M7AP



| type | A | B | C | D | E | F |
|----------------|----|----|----|-----|-----|-----|
| M7P 24 | 63 | 45 | 57 | 169 | 132 | 144 |
| M7AP 24 | 80 | 45 | 57 | 169 | 132 | 144 |



IP69 according to IEC/EN 60529

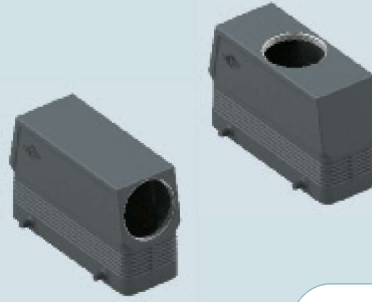
dimensions shown are not binding and may be changed without notice

| | | |
|----------------|-----------------------|---------------|
| inserts: | | page: |
| CD | 64 poles + ⊕ | 59 * |
| CDD | 108 poles + ⊕ | 72 * |
| CDS | 42 poles + ⊕ | 81 * |
| CDSH | 42 poles + ⊕ | 12 ** |
| CSH | 24 poles + ⊕ | 94 * |
| CNE, CSE | 24 poles + ⊕ | 107 * |
| CCE | 24 poles + ⊕ | 113 * |
| CSS | 24 poles + ⊕ | 125 * |
| CQE | 46 poles + ⊕ | 141 * |
| CQEE | 64 poles + ⊕ | 147 * |
| CMCE | 10+2 (aux) poles + ⊕ | 152 * |
| CMSH | 10+2 (aux) poles + ⊕ | 153 * |
| CX | 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO | 6 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

hoods with 4 moulded pegs



3.000 hrs

AVAILABLE 2017

| description | part No. | entry M |
|-------------------------------------------------------------|----------------|---------|
| with pegs, side entry | MHOE 24.25M | 25 |
| with pegs, side entry | MHOE 24.32M | 32 |
| with pegs, side entry, high construction, without adaptor * | MFOE 24.32M | 32 |
| with pegs, side entry, high construction, without adaptor * | MFOE 24.40M | 40 |
| with pegs, top entry | MHVE 24.25M ** | 25 |
| with pegs, top entry | MHVE 24.32M | 32 |
| with pegs, top entry | MHVE 24.40M | 40 |
| with pegs, top entry, high construction, without adaptor * | MFVE 24.32M | 32 |
| with pegs, top entry, high construction, without adaptor * | MFVE 24.40M | 40 |

* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

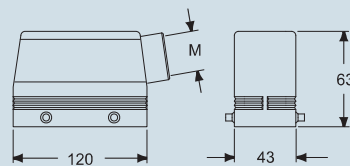
** can only be used with a complete cable gland (to be purchased separately)

TECHNICAL DETAILS:

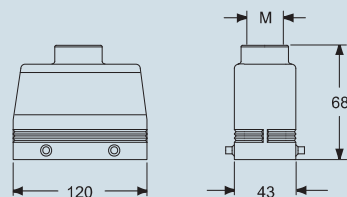
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (125 °C - 180 °C with RY inserts)
- alternatively, hoods with pegs are coupled with fixed enclosures:
 - C7 E-Xtreme®, IP66/IP67, page 46
 - C-TYPE E-Xtreme®, IP66, page 56

dimensions in mm

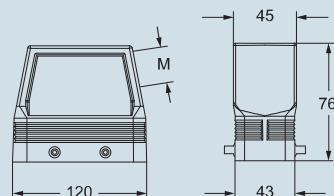
MHOE..M



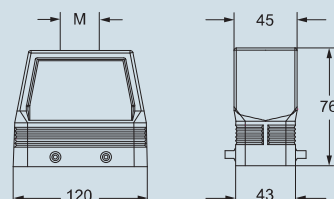
MHVE..M



MFOE..M



MFVE..M



according to the type of lever
 IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice



| inserts: | page: |
|------------------------|-------|
| CK 3 poles + ⊕ | 48 * |
| CK 4 poles + ⊕ | 48 * |
| CKS 3 poles + ⊕ | 49 * |
| CKS 4 poles + ⊕ | 49 * |
| CKSH 3 poles + ⊕ | 7 |
| CKSH 4 poles + ⊕ | 7 |
| CD 8 poles | 54 * |
| CQ 5 poles + ⊕ | 166 * |
| CQ 7 poles + ⊕ | 8 |
| CQ 12 poles + ⊕ | 165 * |
| CQ 21 poles + ⊕ | 11 |

* refer to catalogue page CN.16

insert dimensions:
21 x 21 mm

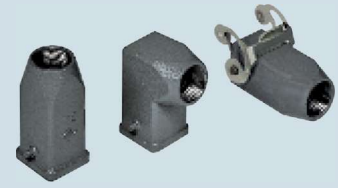
**bulkhead mounting housings
straight and angled**



2.000 hrs

AVAILABLE 2017

hoods

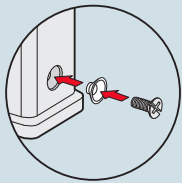


2.000 hrs

AVAILABLE 2017

| description | part No. | part No. (entry - M 20) | part No. | part No. (entry - M 20) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|----------|----------------------------|
| with stainless steel lever without cable entry, with stainless steel lever with cable entry, with stainless steel lever with cable entry, with stainless steel lever, bulkhead hole closed | CKAXE 03 I CKAXE 03 IA | MKAXE IAP20 MKAXE AP20 | | |
| with pegs, top entry with pegs, side entry | | | | MKAE V20 MKAE VA20 |
| with stainless steel lever, top entry | | | | MKAXE VG20 |
| gasket and screw kit for IP66/IP67 ¹⁾ for CK, CQ 05, CKS inserts | CKR 65 | | CKR 65 | |
| gasket and screw kit for IP66/IP67 ¹⁾ for CD 08 inserts | CKR 65 D | | CKR 65 D | |

1) To obtain the protection rating IP66/IP67 a kit is provided that includes a gasket to fit under the insert fixing screws supplied with the kit (see illustrative example).
CQ 07 and CQ 12 inserts are already supplied with a gasket and screw which ensure IP66/IP67 protection rating.



TECHNICAL DETAILS:

- 2.000 hours in salt spray tests (EN ISO 9227 Ed. 2.0)
- temperature limits: -40 °C ... +125 °C

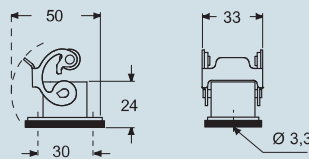
Note:

optional gasket for male insert in FKM material:
"CR 03 W" (replace the gasket male inserts)

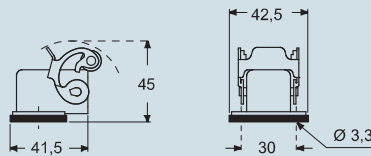


dimensions in mm

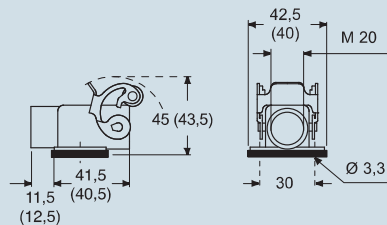
CKAXE I



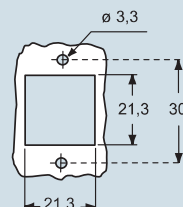
CKAXE IA



MKAXE IAP (MKAXE AP)

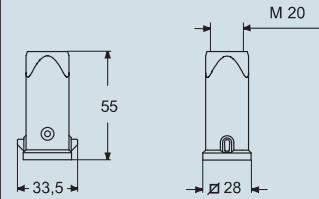


panel cut-out for bulkhead mounting housings in mm

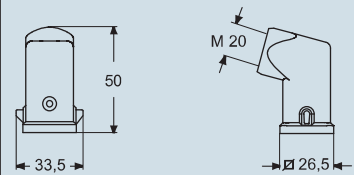


dimensions in mm

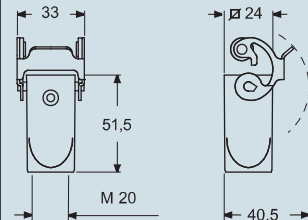
MKAE V



MKAE VA



MKAXE VG



IP66/IP67 with CKR 65 (D) ¹⁾
IP69 according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice

| | |
|-------------------------------|-------|
| inserts: | page: |
| CK 3 poles + ⊕ | 48 * |
| CK 4 poles + ⊕ | 48 * |
| CKS 3 poles + ⊕ | 49 * |
| CKS 4 poles + ⊕ | 49 * |
| CKSH 3 poles + ⊕ | 7 |
| CKSH 4 poles + ⊕ | 7 |
| CD 8 poles | 54 * |
| CQ 5 poles + ⊕ | 166 * |
| CQ 7 poles + ⊕ | 8 |
| CQ 12 poles + ⊕ | 165 * |
| CQ 21 poles + ⊕ | 11 |

* refer to catalogue page CN.16

insert dimensions:
21 x 21 mm

angled bulkhead mounting housings



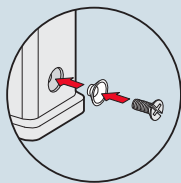
2.000 hrs

AVAILABLE 2017

| description | part No. |
|------------------------------------------------------------------|-----------------------|
| stainless steel lever, M20 fixing thread (*) | MKAXE IAF20 1) |
| stainless steel lever, M25 fixing thread (*) | MKAXE IAF25 1) |
| gasket and screw kit for IP66/IP67 1) for CK, CQ 05, CKS inserts | CKR 65 |
| gasket and screw kit for IP66/IP67 1) for CD 07/08 inserts | CKR 65 D |

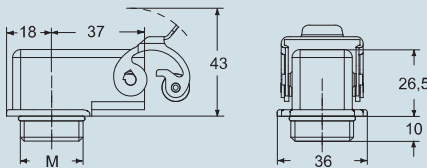
(*) locknut supplied on request, see catalogue cable glands (articles AS M20N and AS M25N metallic, AS M20L and AS M25L insulating)

1) To obtain the protection rating IP66/IP67 a kit is provided that includes a gasket to fit under the insert fixing screws supplied with the kit (see illustrative example).
CQ 07 and CQ 12 inserts are already supplied with a gasket and screw which ensure IP66/IP67 protection rating.

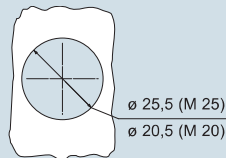


dimensions in mm

MKAXE IAF



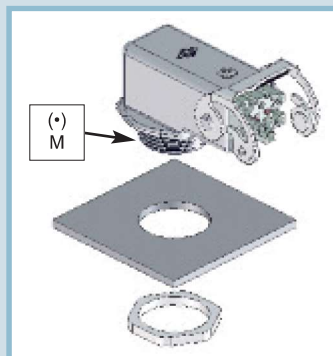
panel cut-out



TECHNICAL DETAILS:

- 2.000 hours in salt spray tests (EN ISO 9227 Ed. 2.0)
- temperature limits: -40 °C ... +125 °C

Note:
optional gasket for male insert in FKM material:
"CR 03 W" (replace the gasket male inserts)



IP66/IP67 with CKR 65 (D) 1)
IP69 according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice



| | |
|-------------------------|-----------|
| inserts: | page: |
| CD 15 poles + ⊕ | 55 |
| CSAH 10 poles + ⊕ | 87 |
| CDA 10 poles + ⊕ | 98 |
| CDC 10 poles + ⊕ | 99 |
| MIXO 1 module | 179 - 214 |

refer to catalogue page CN.16

insert centre distance:
49 x 16 mm

housings and cover



lever in stainless steel

2.000 hrs

AVAILABLE 2017

hoods with riveted locking pegs



2.000 hrs

AVAILABLE 2017

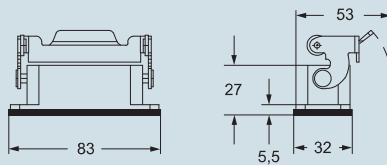
| description | part No. | part No. | entry M | part No. | entry M |
|------------------------------------------|-------------------|---------------------|---------|---------------------|---------|
| bulkhead mounting housing, with lever | CZ7IE 15 L | | | | |
| surface mounting housing, with lever | | MZ7PE 15L225 | 25 x 2 | | |
| with pegs, side entry | | | | MZOE 15 L20 | 20 |
| with pegs, side entry | | | | MZOE 15 L25 | 25 |
| with pegs, side entry, high construction | | | | MZAOE 15 L25 | 25 |
| with pegs, top entry | | | | MZVE 15 L20 | 20 |
| with pegs, top entry, high construction | | | | MZAVE 15 L25 | 25 |

TECHNICAL DETAILS:

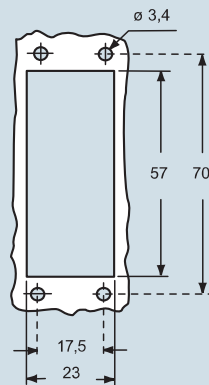
- The rigid lever, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

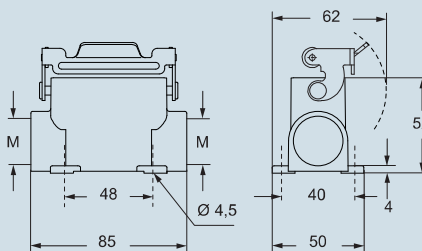
CZ7IE L



panel cut-out for bulkhead mounting housing in mm

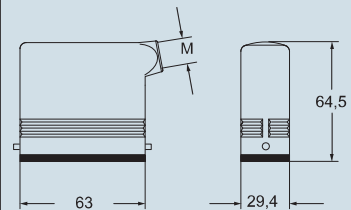


MZ7PE L

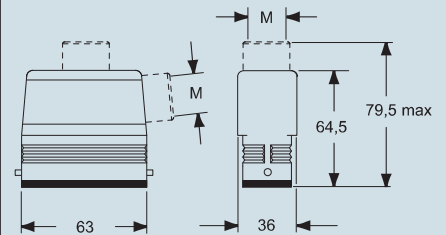


dimensions in mm

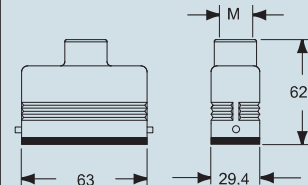
MZO E L



MZAOE L and MZAVE L



MZVE L



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice



| | |
|-------------------------|-------|
| inserts: | page: |
| CD 25 poles + ⊕ | 56 |
| CDD 38 poles + ⊕ | 68 |
| CSAH 16 poles + ⊕ | 88 |
| CDA 16 poles + ⊕ | 100 |
| CDC 16 poles + ⊕ | 101 |

refer to catalogue page CN.16

insert centre distance:
66 x 16 mm

housings and cover



lever in stainless steel

2.000 hrs

AVAILABLE 2017

hoods with riveted locking pegs



2.000 hrs

AVAILABLE 2017

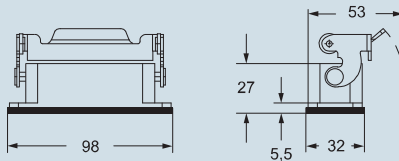
| description | part No. | part No. | entry M | part No. | entry M |
|------------------------------------------|-------------------|---------------------|---------|----------------------|---------|
| bulkhead mounting housing, with lever | CZ7IE 25 L | MZ7PE 25L225 | 25 x 2 | MZOE 25 L20 | 20 |
| surface mounting housing, with lever | | | | MZOE 25 L25 | 25 |
| with pegs, side entry | | | | MZAOE 25 L25 | 25 |
| with pegs, side entry, high construction | | | | MZVE 25 L20 * | 20 |
| with pegs, top entry | | | | MZAVE 25 L25 | 25 |
| with pegs, top entry, high construction | | | | | |

TECHNICAL DETAILS:

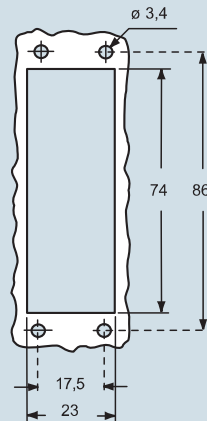
- The rigid lever, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

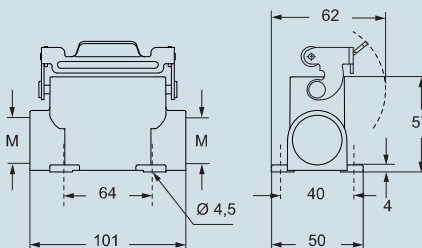
CZ7IE L



panel cut-out for bulkhead mounting housing in mm

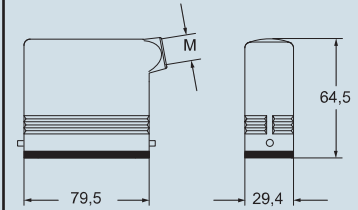


MZ7PE L

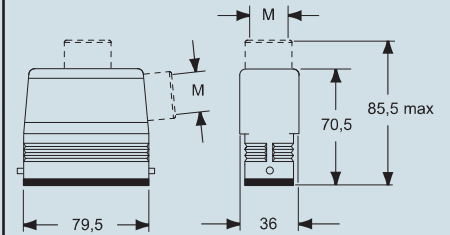


dimensions in mm

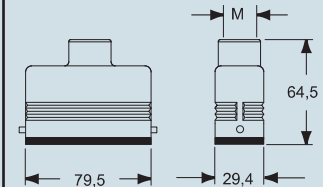
MZO L



MZAOE L and MZAVE L



MZVE L



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



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | |
|-------------------------|-------|
| inserts: | page: |
| CD 50 poles + ⊕ | 58 |
| CDD 76 poles + ⊕ | 71 |
| CSAH 32 poles + ⊕ | 89 |
| CDA 32 poles + ⊕ | 102 |
| CDC 32 poles + ⊕ | 103 |

refer to catalogue page CN.16

insert dimensions:
2 x (66 x 16) mm

housings and cover



2.000 hrs

AVAILABLE 2017

hoods

with riveted locking pegs



2.000 hrs

AVAILABLE 2017

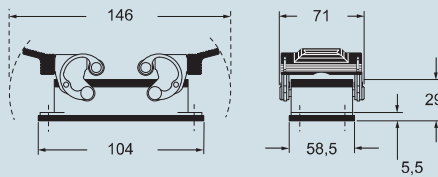
| description | part No. | part No. | entry M | part No. | entry M | |
|------------------------------------------|----------------|--------------------|---------|-------------------|-------------------|----|
| bulkhead mounting housings, with lever | CHIE 50 | MHPE 50.32 | 32 | MHOE 50.25 | 25 | |
| surface mounting housing, with lever | | MHPE 50.240 | 40 x 2 | | MHOE 50.32 | 32 |
| with pegs, side entry | | | | | MAOE 50.32 | 32 |
| with pegs, side entry, high construction | | | | | MAVE 50.32 | 32 |
| with pegs, top entry, high construction | | | | | | |

TECHNICAL DETAILS:

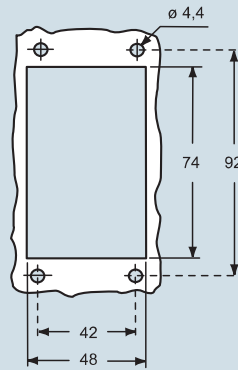
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

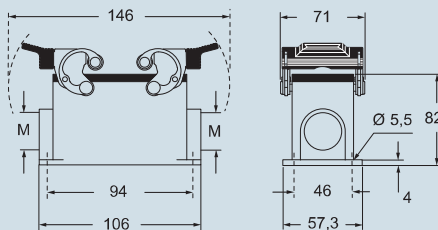
CHIE



panel cut-out for bulkhead mounting housing in mm

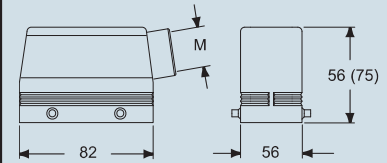


MHPE

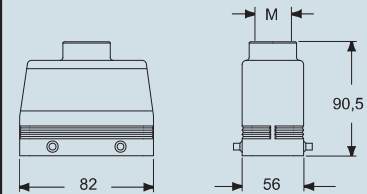


dimensions in mm

MHOE (MAOE)



MAVE



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | |
|-------------------------------------------|-----------|
| inserts: | page: |
| CDD 24 poles + ⊕ | 67 |
| CDS 9 poles + ⊕ | 78 |
| CSH 6 poles + ⊕ | 91 |
| CNE, CSE 6 poles + ⊕ | 104 |
| CCE 6 poles + ⊕ | 110 |
| CSS 6 poles + ⊕ | 122 |
| CT, CTSE (16A) * 6 poles + ⊕ | 130 |
| CQE 10 poles + ⊕ | 138 |
| MIXO 2 modules | 179 - 215 |

*) only for enclosure CHIE 06 L

refer to catalogue page CN.16

insert centre distance:
44 x 27 mm

housings and cover



2.000 hrs

AVAILABLE 2017

hoods

with riveted locking pegs



2.000 hrs

AVAILABLE 2017

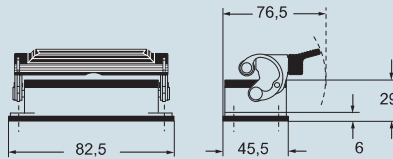
| description | part No. | | entry M | part No. | | entry M |
|---------------------------------------------------------|-----------|-------------|---------|-------------|--------------|---------|
| | CHIE 06 L | MAPE 06 L32 | | MAOE 06 L32 | MAVE 06 L32 | |
| bulkhead mounting housing, with lever | | | | | | |
| surface mounting housing, with lever, high construction | | | 32 | | | |
| with pegs, side entry, high construction | | | | | 32 | |
| with pegs, top entry, high construction | | | | | 32 | |
| with lever and gasket, side entry, high construction | | | | | MAVE 06 LG32 | 32 |

TECHNICAL DETAILS:

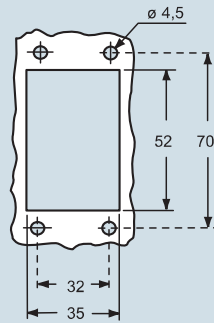
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 40
 - C-TYPE E-Xtreme®, IP66 stainless steel lever, page 53

dimensions in mm

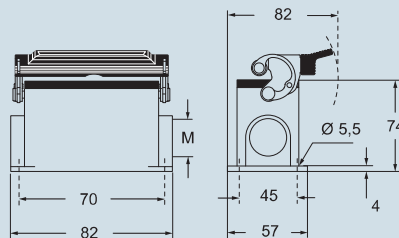
CHIE L



panel cut-out for bulkhead mounting housing in mm

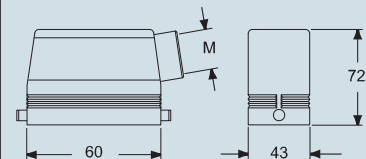


MAPE L

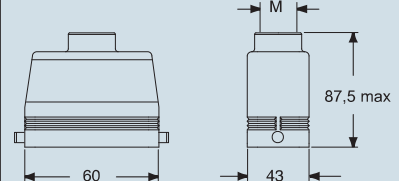


dimensions in mm

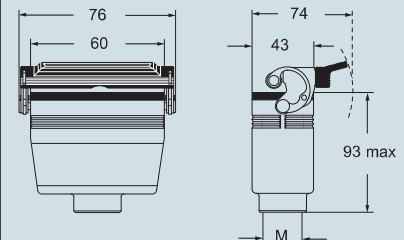
MAOE L



MAVE L



MAVE LG



IP69 according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice

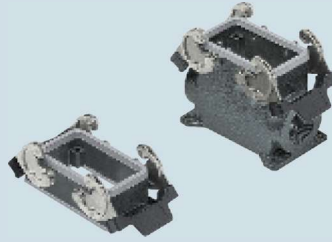
| | |
|-----------------------------------------|-----------|
| inserts: | page: |
| CDD 42 poles + ⊕ | 69 |
| CDS 18 poles + ⊕ | 79 |
| CSH 10 poles + ⊕ | 92 |
| CNE, CSE 10 poles + ⊕ | 105 |
| CCE 10 poles + ⊕ | 111 |
| CSS 10 poles + ⊕ | 123 |
| CT, CTSE (16A) * .. 10 poles + ⊕ | 131 |
| CQE 18 poles + ⊕ | 139 |
| CMCE 3+2 (aux) poles + ⊕ | 148 |
| CMSH 3+2 (aux) poles + ⊕ | 149 |
| CX 8/24 poles + ⊕ | 169 |
| MIXO 3 modules | 179 - 215 |

*) only for enclosure CHIE 10

refer to catalogue page CN.16

insert centre distance: 57 x 27 mm

housings and cover



2.000 hrs

AVAILABLE 2017

hoods with riveted locking pegs



2.000 hrs

AVAILABLE 2017

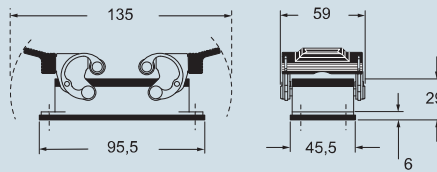
| description | part No. | | entry M | part No. | | entry M |
|----------------------------------------------------------|----------|------------|---------|-------------|------------|---------|
| | CHIE 10 | MAPE 10.32 | | MAOE 10.32 | MAVE 10.32 | |
| bulkhead mounting housing, with levers | CHIE 10 | MAPE 10.32 | 32 | MAOE 10.32 | 32 | |
| surface mounting housing, with levers, high construction | | | | MAVE 10.32 | 32 | |
| with levers and gasket, top entry, high construction | | | | MAVE 10 G32 | 32 | |

TECHNICAL DETAILS:

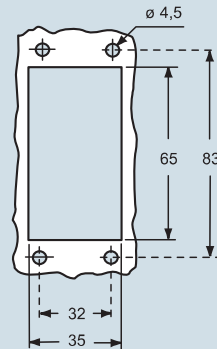
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 42
 - C-TYPE E-Xtreme®, IP66 stainless steel lever, page 54

dimensions in mm

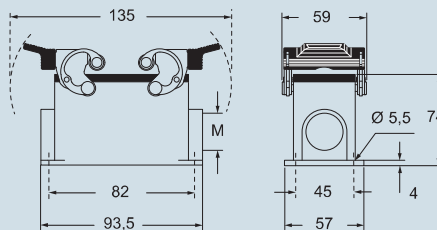
CHIE



panel cut-out for bulkhead mounting housing in mm

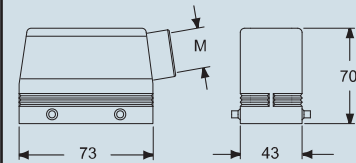


MAPE

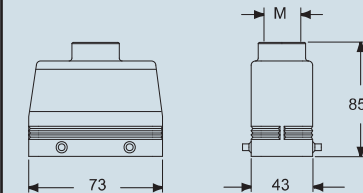


dimensions in mm

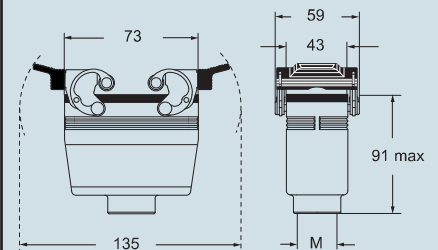
MAOE



MAVE



MAVE G



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | | |
|------------------------|-------------------------|---------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 |
| CT, CTS (10A) *) | 40 poles + ⊕ | 64 |
| CDD | 72 poles + ⊕ | 70 |
| CDS | 27 poles + ⊕ | 80 |
| CSH | 16 poles + ⊕ | 93 |
| CNE, CSE | 16 poles + ⊕ | 106 |
| CCE | 16 poles + ⊕ | 112 |
| CSS | 16 poles + ⊕ | 124 |
| CT, CTSE (16A) *) .. | 16 poles + ⊕ | 132 |
| CQE | 32 poles + ⊕ | 140 |
| CQEE | 40 poles + ⊕ | 146 |
| CMCE | 6+2 (aux) poles + ⊕ | 150 |
| CMSH | 6+2 (aux) poles + ⊕ | 151 |
| CP | 6 poles + ⊕ | 162 |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 |
| CX | 4/0 and 4/2 poles + ⊕ | 172 |
| MIXO | 4 modules | 179-215 |

*) only for enclosure CHIE 16
 refer to catalogue page CN.16
 insert centre distance: 77,5 x 27 mm

housings and cover



2.000 hrs

AVAILABLE 2017

hoods

with riveted locking pegs



2.000 hrs

AVAILABLE 2017

| description | part No. | part No. | entry M | part No. | entry M |
|----------------------------------------------------------|----------------|-------------------|---------|--------------------|---------|
| bulkhead mounting housing, with levers | CHIE 16 | | | | |
| surface mounting housing, with levers, high construction | | MAPE 16.32 | 32 | | |
| with pegs, side entry | | | | MHOE 16.25 | 25 |
| with pegs, side entry | | | | MHOE 16.32 | 32 |
| with pegs, side entry, high construction | | | | MAOE 16.32 | 32 |
| with pegs, side entry, high construction | | | | MAOE 16.40 | 40 |
| with pegs, top entry | | | | MHVE 16.25 | 25 |
| with pegs, top entry | | | | MHVE 16.32 | 32 |
| with pegs, top entry, high construction | | | | MAVE 16.32 | 32 |
| with pegs, top entry, high construction | | | | MAVE 16.40 | 40 |
| with levers and gasket, top entry, high construction | | | | MAVE 16 G32 | 32 |

TECHNICAL DETAILS:

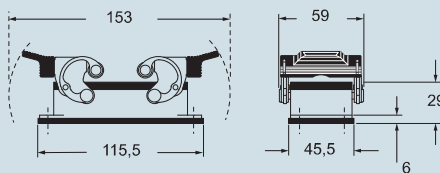
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C- mechanical life: ≥ 500 cycles

Alternatively, hoods with pegs are coupled with fixed enclosures:

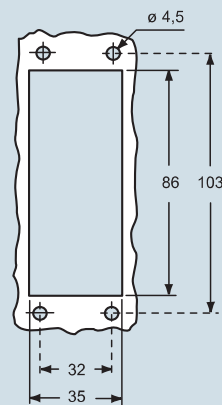
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 44
- C-TYPE E-Xtreme®, IP66 stainless steel lever, page 55

dimensions in mm

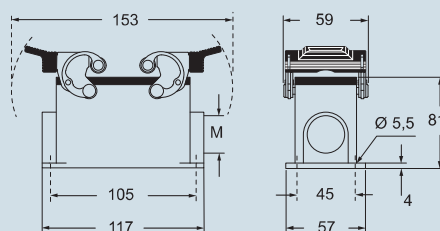
CHIE



panel cut-out for bulkhead mounting housing in mm

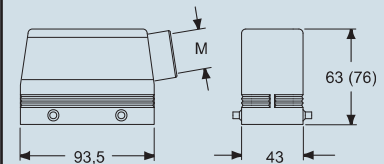


MAPE

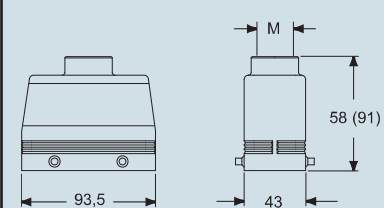


dimensions in mm

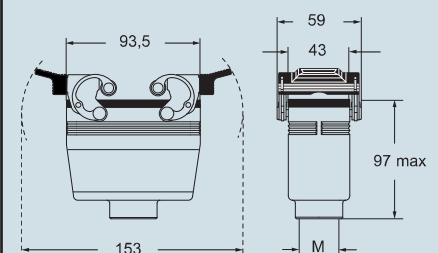
MHOE (MAOE)



MHVE (MAVE)



MAVE G



IP69 according to IEC/EN 60529

dimensions shown are not binding
 and may be changed without notice

| | |
|------------------------------------|-------------|
| inserts: | page: |
| CD 64 poles + ⊕ | 59 |
| CT, CTS (10A) *) 64 poles + ⊕ | 65 |
| CDD 108 poles + ⊕ | 72 |
| CDS 42 poles + ⊕ | 81 |
| CSH 24 poles + ⊕ | 94 |
| CNE, CSE 24 poles + ⊕ | 107 |
| CCE 24 poles + ⊕ | 113 |
| CSS 24 poles + ⊕ | 125 |
| CT, CTSE (16A) *) 24 poles + ⊕ | 133 |
| CQE 46 poles + ⊕ | 141 |
| CQEE 64 poles + ⊕ | 147 |
| CMCE 10+2 (aux) poles + ⊕ | 152 |
| CMSH 10+2 (aux) poles + ⊕ | 153 |
| CX 4/8 and 6/6 poles + ⊕ | 173 and 175 |
| MIXO 6 modules | 179-215 |

*) only for enclosure CHIE 24

refer to catalogue page CN.16

insert centre distance: 104 x 27 mm

housings and cover



2.000 hrs

AVAILABLE 2017

hoods

with riveted locking pegs



2.000 hrs

AVAILABLE 2017

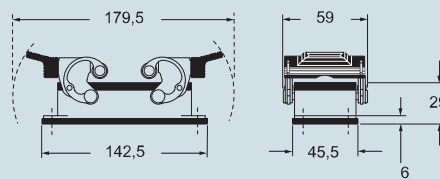
| description | part No. | part No. | entry M | part No. | entry M |
|----------------------------------------------------------|----------|------------|---------|-------------|---------|
| bulkhead mounting housing, with levers | CHIE 24 | MAPE 24.32 | 32 | MHOE 24.25 | 25 |
| surface mounting housing, with levers, high construction | | | | MHOE 24.32 | 32 |
| with pegs, side entry | | | | MAOE 24.32 | 32 |
| with pegs, side entry, high construction | | | | MAOE 24.40 | 40 |
| with pegs, side entry, high construction | | | | MHVE 24.25 | 25 |
| with pegs, top entry | | | | MHVE 24.32 | 32 |
| with pegs, top entry, high construction | | | | MAVE 24.32 | 32 |
| with pegs, top entry, high construction | | | | MAVE 24.40 | 40 |
| with levers and gasket, top entry, high construction | | | | MAVE 24 G32 | 32 |

TECHNICAL DETAILS:

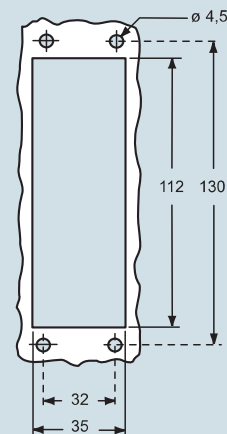
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 46
 - C-TYPE E-Xtreme®, IP66 stainless steel lever, page 56

dimensions in mm

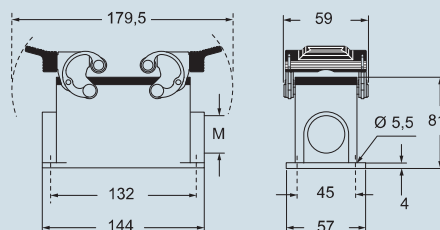
CHIE



panel cut-out for bulkhead mounting housing in mm

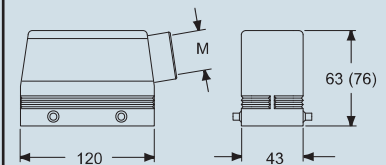


MAPE

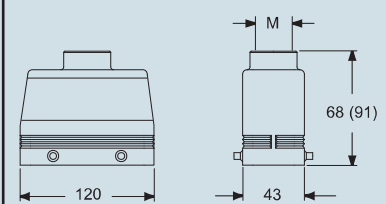


dimensions in mm

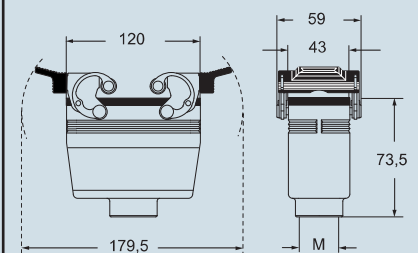
MHOE (MAOE)



MHVE (MAVE)



MAVE G



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | |
|----------------------------------|---------|
| inserts: | page: |
| CD 80 poles + ⊕ | 60 |
| CDD 144 poles + ⊕ | 73 |
| CDS 54 poles + ⊕ | 82 |
| CSH 32 poles + ⊕ | 95 |
| CNE, CSE 32 poles + ⊕ | 108 |
| CCE 32 poles + ⊕ | 114 |
| CSS 32 poles + ⊕ | 126 |
| CTSE (16A) *) 32 poles + ⊕ | 134 |
| CQE 64 poles + ⊕ | 142 |
| CMCE 12+4 (aux) poles + ⊕ | 154 |
| CME 12+4 (aux) poles + ⊕ | 155 |
| CMSH 12+4 (aux) poles + ⊕ | 155 |
| CP 12 poles + ⊕ | 163 |
| MIXO 4 + 4 modules | 179-215 |

*) only for enclosure CHIE 32

refer to catalogue page CN.16

insert centre distance: 2 x (77,5 x 27) mm

housings and cover



2.000 hrs

AVAILABLE 2017

hoods

with riveted locking pegs



2.000 hrs

AVAILABLE 2017

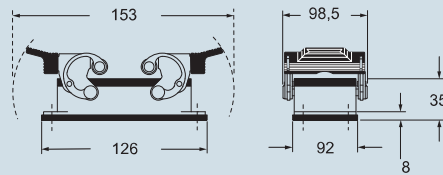
| description | part No. | part No. | entry M | part No. | entry M |
|----------------------------------------|----------|------------|---------|-------------|---------|
| bulkhead mounting housing, with levers | CHIE 32 | MHPE 32.50 | 50 | MHOE 32.40 | 40 |
| surface mounting housing, with levers | | | | MHVE 32.40 | 40 |
| with pegs, side entry | | | | MHVE 32 G40 | 40 |
| with pegs, top entry | | | | | |
| with levers and gasket, top entry | | | | | |

TECHNICAL DETAILS:

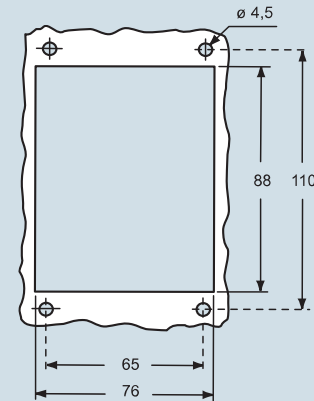
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

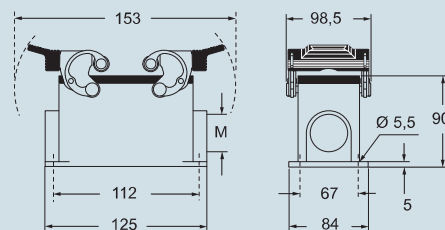
CHIE



panel cut-out for bulkhead mounting housing in mm

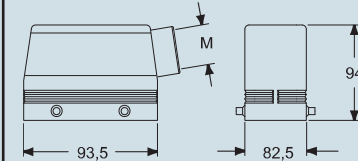


MHPE

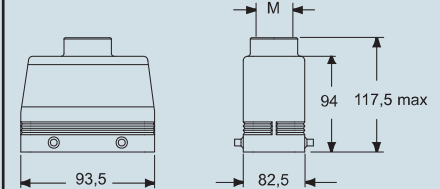


dimensions in mm

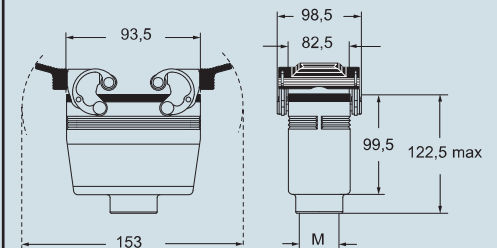
MAOE



MAVO



MAVO G



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | |
|----------------------------------|---------|
| inserts: | page: |
| CD 128 poles + ⊕ | 61 |
| CDD 216 poles + ⊕ | 74 |
| CDS 84 poles + ⊕ | 83 |
| CSH 48 poles + ⊕ | 96 |
| CNE, CSE 48 poles + ⊕ | 109 |
| CCE 48 poles + ⊕ | 115 |
| CSS 48 poles + ⊕ | 127 |
| CTSE (16A) *) 48 poles + ⊕ | 135 |
| CQE 92 poles + ⊕ | 143 |
| CMCE 20+4 (aux) poles + ⊕ | 156 |
| CME 20+4 (aux) poles + ⊕ | 157 |
| CMSH 20+4 (aux) poles + ⊕ | 157 |
| CMCE 32+4 (aux) poles + ⊕ | 160 |
| CME 32+4 (aux) poles + ⊕ | 161 |
| MIXO 6 + 6 modules | 179-215 |

*) only for enclosure CHIW 48 LS

refer to catalogue page CN.16

insert centre distance: 2 x (104 x 27) mm

bulkhead and surface mounting housings



2.000 hrs

AVAILABLE 2017

hoods

with riveted locking pegs



2.000 hrs

AVAILABLE 2017

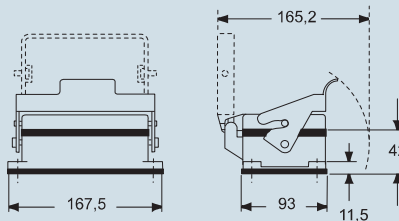
| description | part No. | entry M | part No. | entry M |
|--------------------------------------------------|------------|--------------|-------------|---------|
| bulkhead mounting housings, with lever and cover | CHIE 48 LS | | | |
| with lever and cover | | MHPE 48 LS40 | 40 x 1/2 | |
| side entry, with pegs | | | MHOE 48 L40 | 40 |
| top entry, with pegs | | | MHVE 48 L40 | 40 |

TECHNICAL DETAILS:

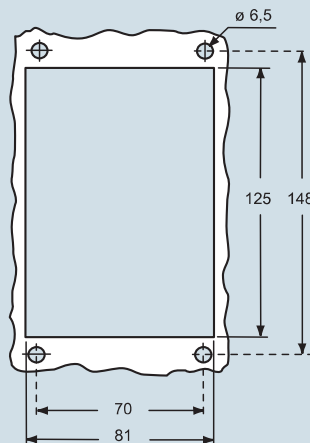
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

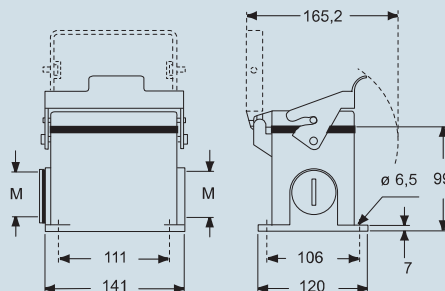
CHIE LS



panel cut-out for bulkhead mounting housings in mm

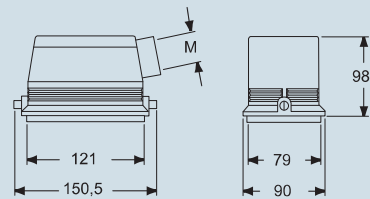


MHPE LS

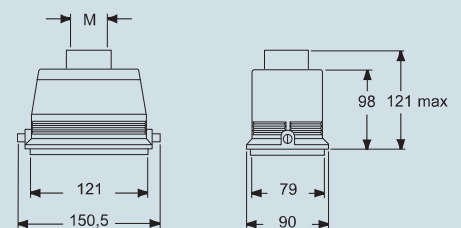


dimensions in mm

MHOE L



MHVE L

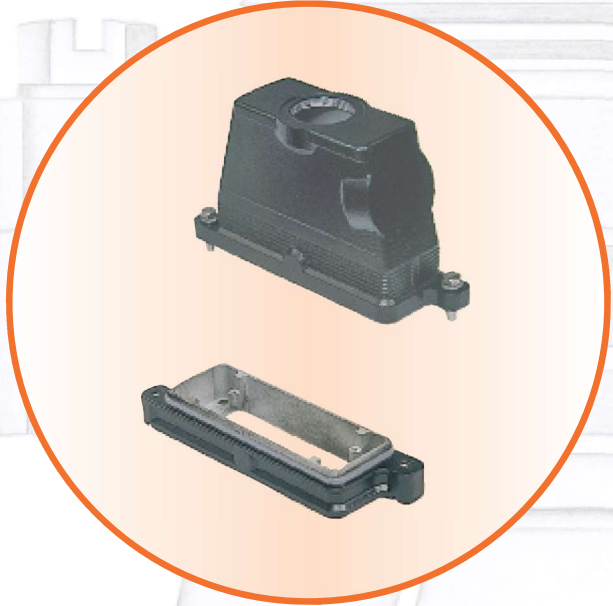


IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

IP68

E-Xtreme® series



3.000 HOURS
IN SALT
SPRAY TESTS



TEMPERATURE
LIMITS
-60 °C ... + 180 °C
WITH
SILICONE GASKET



| | |
|----------------------------|-------------|
| inserts: | page: |
| CDD 24 poles + ⊕ | 67 * |
| CDS 9 poles + ⊕ | 78 * |
| CDSH 9 poles + ⊕ | 9 ** |
| CSH 6 poles + ⊕ | 91 * |
| CNE, CSE 6 poles + ⊕ | 104 * |
| CCE 6 poles + ⊕ | 110 * |
| CSS 6 poles + ⊕ | 122 * |
| CQE 10 poles + ⊕ | 138 * |
| MIXO 2 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 44 x 27 mm

**bulkhead mounting housings,
 screw locking**



3.000 hrs

AVAILABLE 2017

**surface mounting housings,
 screw locking**



3.000 hrs

AVAILABLE 2017

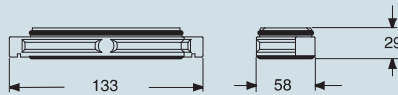
| description | part No. | part No. | entry |
|--------------|----------------|-------------------|-----------|
| size "44.27" | CGIE 06 | | |
| size "44.27" | | MGPE 06.32 | 32 |

TECHNICAL DETAILS:

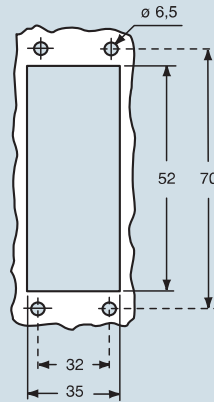
- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

dimensions in mm

CGIE

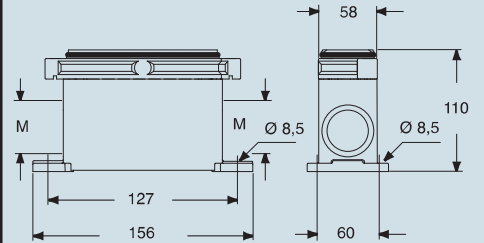


panel cut-out for bulkhead mounting housings in mm



dimensions in mm

MGPE



dust protection cover

**CGCP FX from page 497
 catalogue CN.16**



according to IEC/EN 60529

dimensions shown are not binding
 and may be changed without notice

| | |
|----------------------------|-------------|
| inserts: | page: |
| CDD 24 poles + ⊕ | 67 * |
| CDS 9 poles + ⊕ | 78 * |
| CDSH 9 poles + ⊕ | 9 ** |
| CSH 6 poles + ⊕ | 91 * |
| CNE, CSE 6 poles + ⊕ | 104 * |
| CCE 6 poles + ⊕ | 110 * |
| CSS 6 poles + ⊕ | 122 * |
| CQE 10 poles + ⊕ | 138 * |
| MIXO 2 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 44 x 27 mm

**hoods,
 screw locking**



3.000 hrs

AVAILABLE 2017

**covers,
 screw locking**



3.000 hrs

AVAILABLE 2017

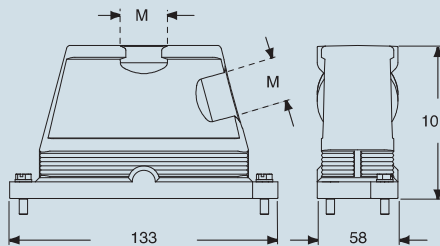
| description | part No. | entry M | part No. |
|----------------------------------------------------------------|-------------------------------------------------------------|----------------|----------------|
| with side entry size "44.27" size "44.27" | MGOE 06.25 MGOE 06.32 | 25 32 | |
| with top entry size "44.27" size "44.27" size "44.27" | MGVE 06.25 MGVE 06.32 MGVE 06.40 | 25 32 40 | |
| size "44.27" | | | CGCE 06 |

TECHNICAL DETAILS:

- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
 on request -60 °C ... +180 °C with silicone gasket
 (>125 °C up to 180 °C with RY inserts)

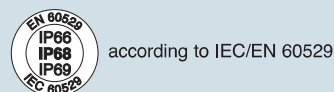
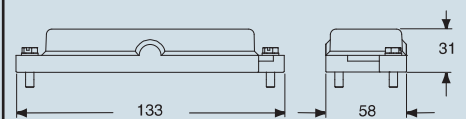
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



dimensions shown are not binding
 and may be changed without notice

| | |
|--------------------------------|-------------|
| inserts: | page: |
| CDD 42 poles + ⊕ | 69 * |
| CDS 18 poles + ⊕ | 79 * |
| CDSH 18 poles + ⊕ | 10 ** |
| CSH 10 poles + ⊕ | 92 * |
| CNE, CSE 10 poles + ⊕ | 105 * |
| CCE 10 poles + ⊕ | 111 * |
| CSS 10 poles + ⊕ | 123 * |
| CQE 18 poles + ⊕ | 139 * |
| CMCE 3+2 (aux) poles + ⊕ | 148 * |
| CMSH 3+2 (aux) poles + ⊕ | 149 * |
| CX 8/24 poles + ⊕ | 169 * |
| MIXO 3 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 57 x 27 mm

**bulkhead mounting housings,
 screw locking**



3.000 hrs

AVAILABLE 2017

**surface mounting housings,
 screw locking**



3.000 hrs

AVAILABLE 2017

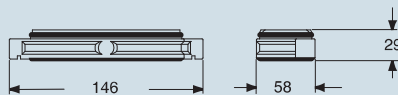
| description | part No. | part No. | entry |
|--------------|----------------|-------------------|-------|
| size "57.27" | CGIE 10 | | |
| size "57.27" | | MGPE 10.32 | 32 |

TECHNICAL DETAILS:

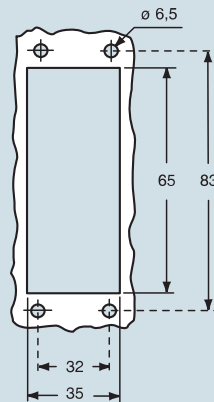
- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

dimensions in mm

CGIE

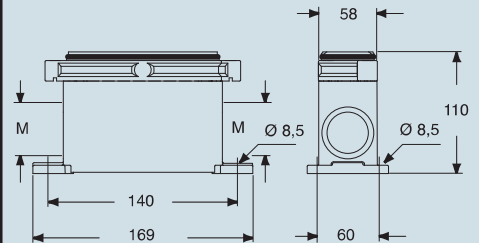


panel cut-out for bulkhead mounting housings in mm



dimensions in mm

MGPE



dust protection cover

**CGCP FX from page 497
 catalogue CN.16**



according to IEC/EN 60529

dimensions shown are not binding
 and may be changed without notice

| | |
|--------------------------------|-------------|
| inserts: | page: |
| CDD 42 poles + ⊕ | 69 * |
| CDS 18 poles + ⊕ | 79 * |
| CDSH 18 poles + ⊕ | 10 ** |
| CSH 10 poles + ⊕ | 92 * |
| CNE, CSE 10 poles + ⊕ | 105 * |
| CCE 10 poles + ⊕ | 111 * |
| CSS 10 poles + ⊕ | 123 * |
| CQE 18 poles + ⊕ | 139 * |
| CMCE 3+2 (aux) poles + ⊕ | 148 * |
| CMSH 3+2 (aux) poles + ⊕ | 149 * |
| CX 8/24 poles + ⊕ | 169 * |
| MIXO 3 modules | 179 - 215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance:
 57 x 27 mm

hoods,
 screw locking



3.000 hrs

AVAILABLE 2017

covers,
 screw locking



3.000 hrs

AVAILABLE 2017

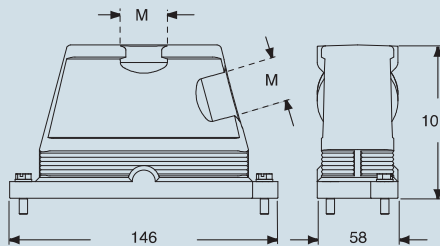
| description | part No. | entry M | part No. |
|----------------------------------------------------------------|-------------------------------------------------------------|----------------|----------------|
| with side entry size "57.27" size "57.27" | MGOE 10.25 MGOE 10.32 | 25 32 | |
| with top entry size "57.27" size "57.27" size "57.27" | MGVE 10.25 MGVE 10.32 MGVE 10.40 | 25 32 40 | |
| size "57.27" | | | CGCE 10 |

TECHNICAL DETAILS:

- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

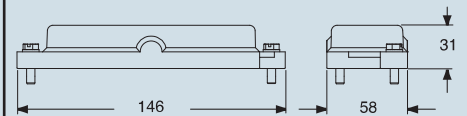
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



dust protection cover

**CGCP MB from page 497
 catalogue CN.16**



according to IEC/EN 60529

dimensions shown are not binding
 and may be changed without notice

| | | |
|----------------------------|-------------------------|-----------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CQE | 32 poles + ⊕ | 140 * |
| CQEE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

bulkhead mounting housings, screw locking



3.000 hrs

AVAILABLE 2017

surface mounting housings, screw locking



3.000 hrs

AVAILABLE 2017

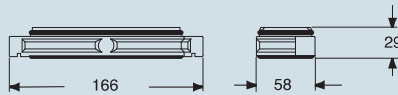
| description | part No. | part No. | entry M |
|--------------|----------------|-------------------|-----------|
| size "77.27" | CGIE 16 | | |
| size "77.27" | | MGPE 16.40 | 40 |

TECHNICAL DETAILS:

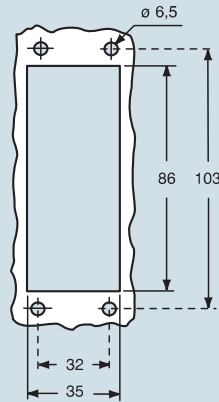
- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

dimensions in mm

CGIE

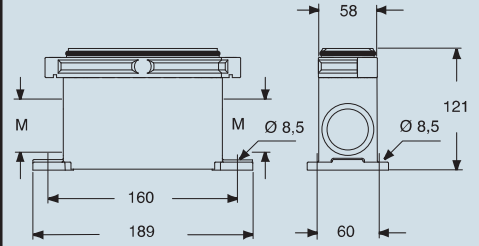


panel cut-out for bulkhead mounting housings in mm



dimensions in mm

MGPE



dust protection cover

CGCP FX from page 497 catalogue CN.16



according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | | |
|----------------------------|-------------------------|-----------|
| inserts: | | page: |
| CD | 40 poles + ⊕ | 57 * |
| CDD | 72 poles + ⊕ | 70 * |
| CDS | 27 poles + ⊕ | 80 * |
| CDSH | 27 poles + ⊕ | 11 ** |
| CSH | 16 poles + ⊕ | 93 * |
| CNE, CSE | 16 poles + ⊕ | 106 * |
| CCE | 16 poles + ⊕ | 112 * |
| CSS | 16 poles + ⊕ | 124 * |
| CQE | 32 poles + ⊕ | 140 * |
| CMCE | 40 poles + ⊕ | 146 * |
| CMCE, CMSH 6+2 (aux) | poles + ⊕ | 150-151 * |
| CP | 6 poles + ⊕ | 162 * |
| CX | 6/12 poles + ⊕ | 21 ** |
| CX | 6/36 and 12/2 poles + ⊕ | 170-171 * |
| CX | 4/0 and 4/2 poles + ⊕ | 172 * |
| MIXO | 4 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 77,5 x 27 mm

hoods,
screw locking



3.000 hrs

AVAILABLE 2017

covers,
screw locking



3.000 hrs

AVAILABLE 2017

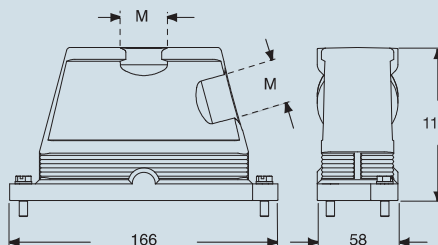
| description | part No. | entry M | part No. |
|-----------------|--------------------|------------|----------------|
| with side entry | | | |
| size "77.27" | MGOE 16.32 | 32 | |
| size "77.27" | MGOE 16.40 | 40 | |
| size "77.27" | MGOE 16.50 | 50 | |
| with top entry | | | |
| size "77.27" | MGVE 16.25 | 25 | |
| size "77.27" | MGVE 16.225 | 25x2 | |
| size "77.27" | MGVE 16.32 | 32 | |
| size "77.27" | MGVE 16.40 | 40 | |
| size "77.27" | MGVE 16.50 | 50 | |
| size "77.27" | | | CGCE 16 |

TECHNICAL DETAILS:

- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

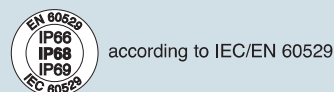
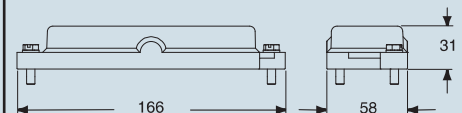
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



dimensions shown are not binding
and may be changed without notice



| | |
|---------------------------------|---------------|
| inserts: | page: |
| CD 64 poles + ⊕ | 59 * |
| CDD 108 poles + ⊕ | 72 * |
| CDS 42 poles + ⊕ | 81 * |
| CDSH 42 poles + ⊕ | 12 ** |
| CSH 24 poles + ⊕ | 94 * |
| CNE, CSE 24 poles + ⊕ | 107 * |
| CCE 24 poles + ⊕ | 113 * |
| CSS 24 poles + ⊕ | 125 * |
| CQE 46 poles + ⊕ | 141 * |
| CQEE 64 poles + ⊕ | 147 * |
| CMCE 10+2 (aux) poles + ⊕ | 152 * |
| CMSH 10+2 (aux) poles + ⊕ | 153 * |
| CX 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO 6 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

bulkhead mounting housings, screw locking



3.000 hrs

AVAILABLE 2017

surface mounting housings, screw locking



3.000 hrs

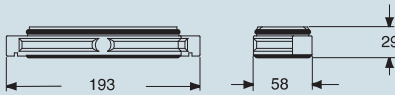
AVAILABLE 2017

| description | part No. |
|---------------|----------------|
| size "104.27" | CGIE 24 |
| size "104.27" | |
| size "104.27" | |

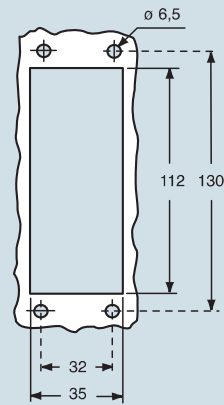
| part No. | entry |
|--------------------|--------|
| | M |
| MGPE 24.40 | 40 |
| MGPE 24.240 | 40 x 2 |

TECHNICAL DETAILS:
 - 3.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 on request -60 °C ... +180 °C with silicone gasket
 (>125 °C up to 180 °C with RY inserts)

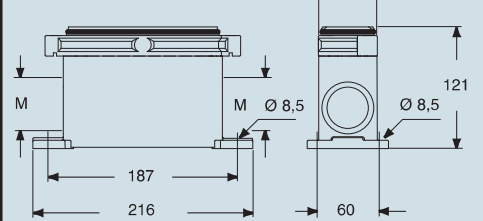
dimensions in mm
CGI



panel cut-out for bulkhead mounting housings in mm



dimensions in mm
CGP and MGP



dust protection cover

CGCP FX from page 497 catalogue CN.16



according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

| | |
|---------------------------------|---------------|
| inserts: | page: |
| CD 64 poles + ⊕ | 59 * |
| CDD 108 poles + ⊕ | 72 * |
| CDS 42 poles + ⊕ | 81 * |
| CDSH 42 poles + ⊕ | 12 ** |
| CSH 24 poles + ⊕ | 94 * |
| CNE, CSE 24 poles + ⊕ | 107 * |
| CCE 24 poles + ⊕ | 113 * |
| CSS 24 poles + ⊕ | 125 * |
| CQE 46 poles + ⊕ | 141 * |
| CQEE 64 poles + ⊕ | 147 * |
| CMCE 10+2 (aux) poles + ⊕ | 152 * |
| CMSH 10+2 (aux) poles + ⊕ | 153 * |
| CX 4/8 and 6/6 poles + ⊕ | 173 and 175 * |
| MIXO 6 modules | 179-215 * |

* refer to catalogue page CN.16
 ** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

hoods,
screw locking



3.000 hrs

AVAILABLE 2017

covers,
screw locking



3.000 hrs

AVAILABLE 2017

| description | part No. | entry M |
|----------------------------------|--------------------|------------|
| with side entry size "104.27" | MGOE 24.32 | 32 |
| size "104.27" | MGOE 24.40 | 40 |
| size "104.27" | MGOE 24.50 | 50 |
| with top entry size "104.27" | MGVE 24.325 | 25x3 |
| size "104.27" | MGVE 24.32 | 32 |
| size "104.27" | MGVE 24.232 | 32x2 |
| size "104.27" | MGVE 24.40 | 40 |
| size "104.27" | MGVE 24.240 | 40x2 |
| size "104.27" | MGVE 24.50 | 50 |
| size "104.27" | | |

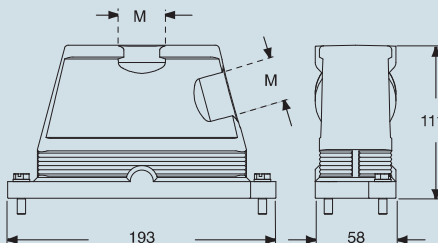
| part No. | entry M |
|----------|------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| part No. |
|----------|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

TECHNICAL DETAILS:
 - 3.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 on request -60 °C ... +180 °C with silicone gasket
 (>125 °C up to 180 °C with RY inserts)

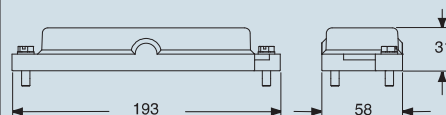
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice