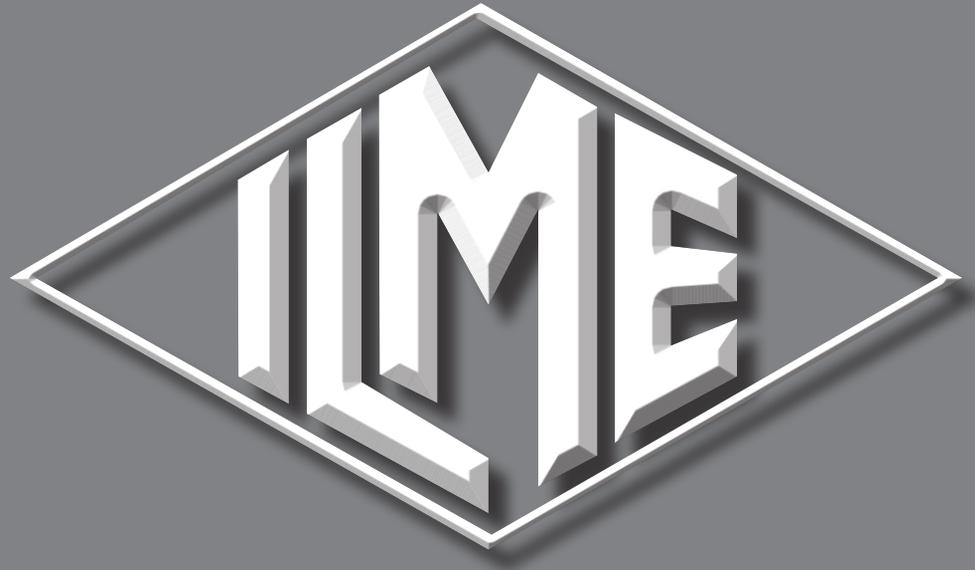
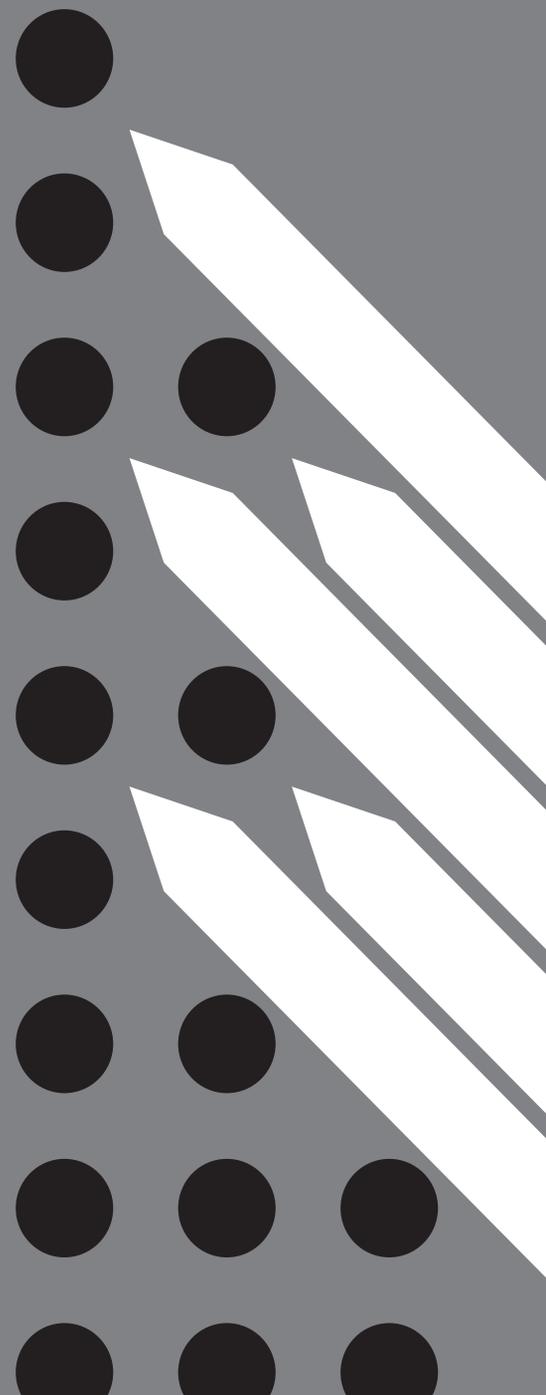


Multipole connectors
New products 2017



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**



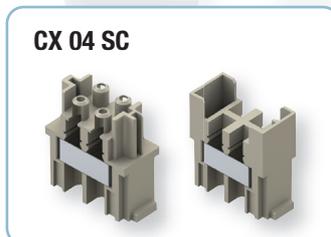
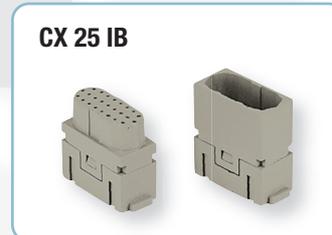
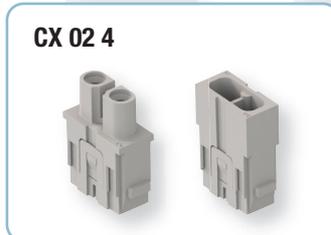
MIXO inserts

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

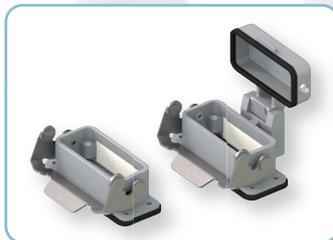
HOODS

High construction, without adaptor from page 17



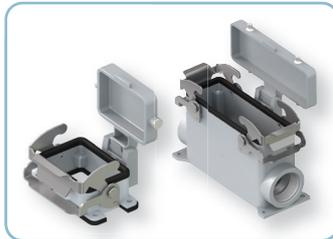
IP67
ENCLOSURES
size "49.16" and "66.16"

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

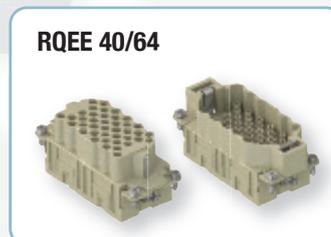
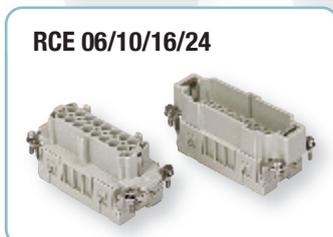
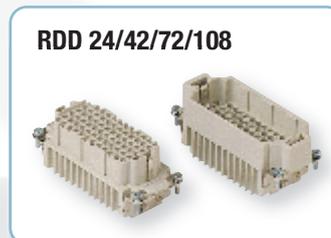
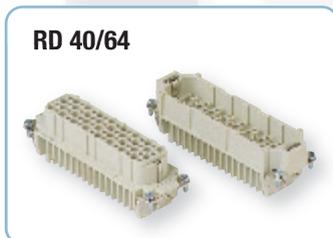


NEW

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



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

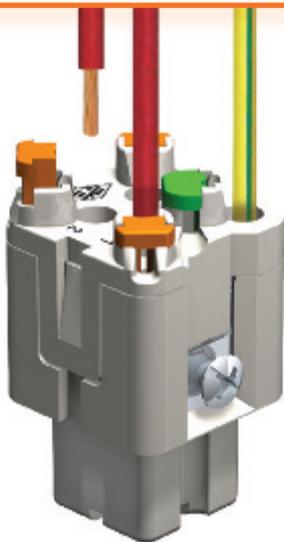
**SAVE TIME
IN COMPACT SIZE**



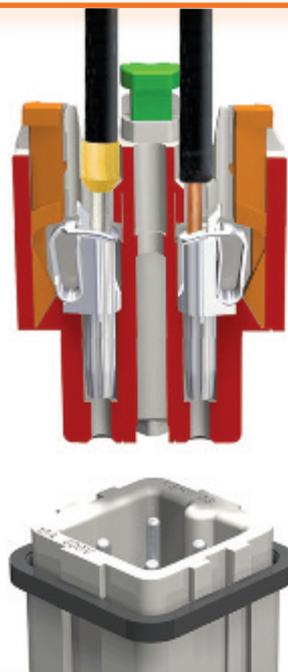
WITH CODING PINS



**REAR TOP ENTRY
FOR EASIER WIRING**



**FOR RIGID
OR
FLEXIBLE
WIRES
FOR
CRIMPED
FERRULES**



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**

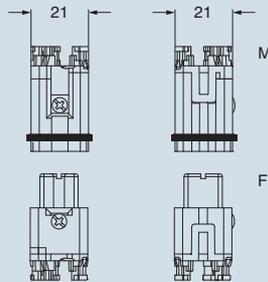
female inserts with female contacts
male inserts with male contacts

**CKSHF 04
CKSHM 04**

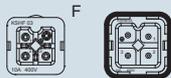
- characteristics according to EN 61984:

- 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

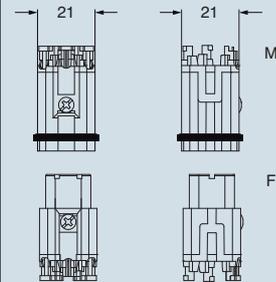


contacts side (front view)



- 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

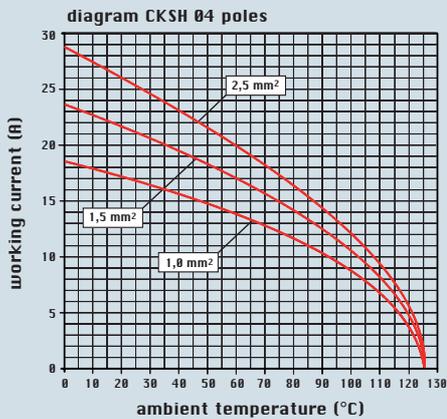
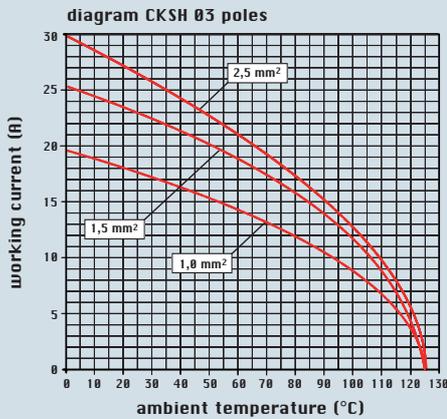
dimensions in mm



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



dimensions shown are not binding
and may be changed without notice

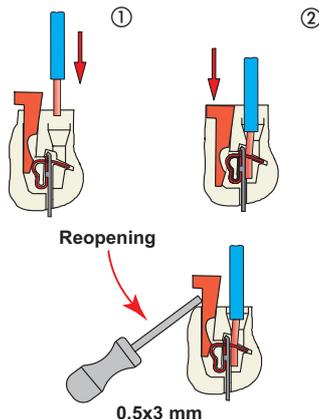
coding pins:
CR K03 (page 490 catalogue CN.16)



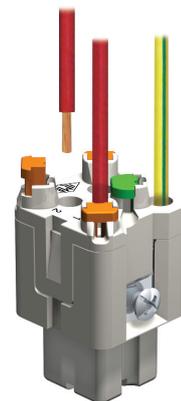
coding pins:
CR K04R and CR K04G (page 490 catalogue CN.16)



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

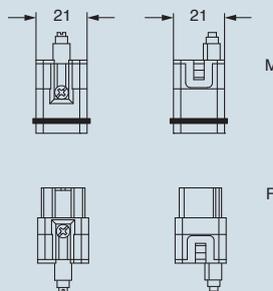
CDFA 0.3	silver plated	CDFD 0.3	gold plated 1)
CDFA 0.5		CDFD 0.5	
CDFA 0.7		CDFD 0.7	
CDFA 1.0		CDFD 1.0	
CDFA 1.5		CDFD 1.5	
CDFA 2.5		CDFD 2.5	
CDMA 0.3		CDMD 0.3	
CDMA 0.5		CDMD 0.5	
CDMA 0.7		CDMD 0.7	
CDMA 1.0		CDMD 1.0	
CDMA 1.5		CDMD 1.5	
CDMA 2.5		CDMD 2.5	

- 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)



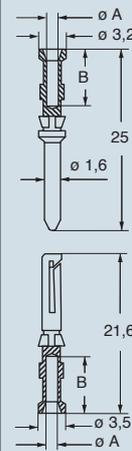
Note:

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	CR QM07
coding pins for CQM 07 inserts		

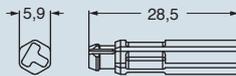
Code pins

Each series of connector inserts is made in such a way as to make incorrect coupling between inserts of different series impossible.

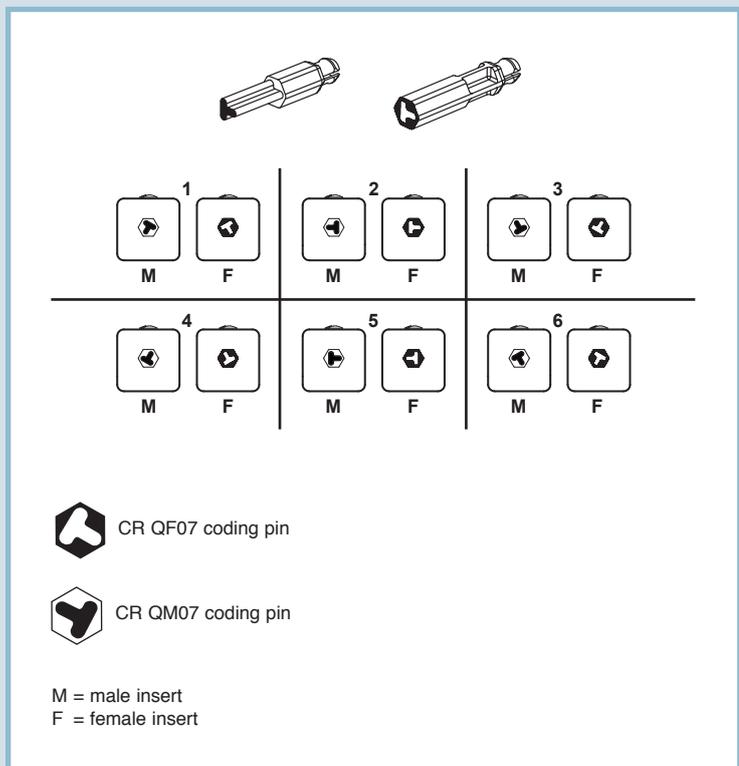
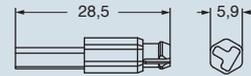
When a number of identical connectors with different functions are mounted closely together these must be selected in such a way as to prevent the coupling of a free part on a non-corresponding fixed part and possible consequent damage and breakdown.

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



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**



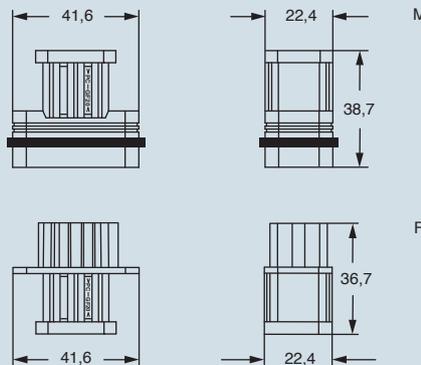
description	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts for female contacts male inserts for male contacts	CQF 17 CQM 17		
10A female contacts 0,14-0,37 mm ² AWG 26-22 identification No. 1 0,5 mm ² AWG 20 identification No. 2 0,75 mm ² AWG 18 identification No. 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		CDFA 0.3 CDFA 0.5 CDFA 0.7 CDFA 1.0 CDFA 1.5 CDFA 2.5	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		CDMA 0.3 CDMA 0.5 CDMA 0.7 CDMA 1.0 CDMA 1.5 CDMA 2.5	CDMD 0.3 CDMD 0.5 CDMD 0.7 CDMD 1.0 CDMD 1.5 CDMD 2.5

- characteristics according to EN 61984:

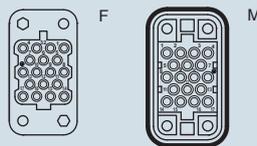
10A 160V 2,5kV 3
10A 250V 4kV 2

- 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



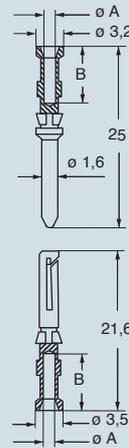
contacts side (front view)



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**

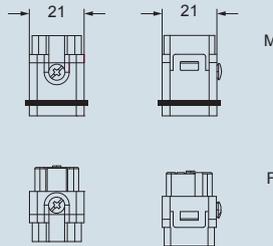


**AVAILABLE
NOVEMBER 2017**

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 mm ² AWG 28-24 0,13-0,33 mm ² AWG 26-22 0,33-0,52 mm ² AWG 22-20		CIFA 0.2 CIFA 0.3 CIFA 0.5	CIFD 0.2 CIFD 0.3 CIFD 0.5
CI male crimp contacts 0,08-0,21 mm ² AWG 28-24 0,13-0,33 mm ² AWG 26-22 0,33-0,52 mm ² 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
- CIPD D** turret head
- CIES** insertion / removal tool

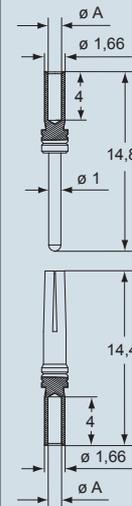
dimensions in mm



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.

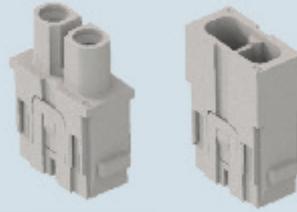
frames for modular units * .. page: 214 - 215

* 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)
- female inserts for female contacts
- male inserts for male contacts

CX 02 4F *
CX 02 4M *

40A female crimp contacts
1,5 mm² AWG 16
2,5 mm² AWG 14
4 mm² AWG 12
6 mm² AWG 10
10 mm² AWG 8

40A male crimp contacts
1,5 mm² AWG 16
2,5 mm² AWG 14
4 mm² AWG 12
6 mm² AWG 10
10 mm² AWG 8

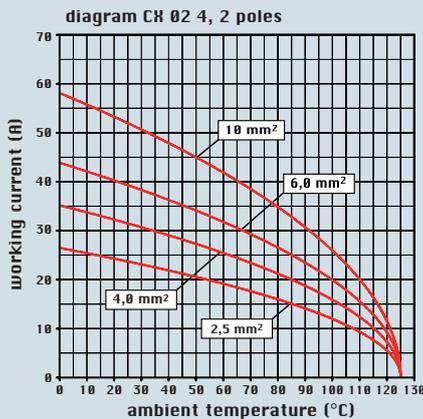
CXFA 1.5
CXFA 2.5
CXFA 4.0
CXFA 6.0
CXFA 10

silver plated

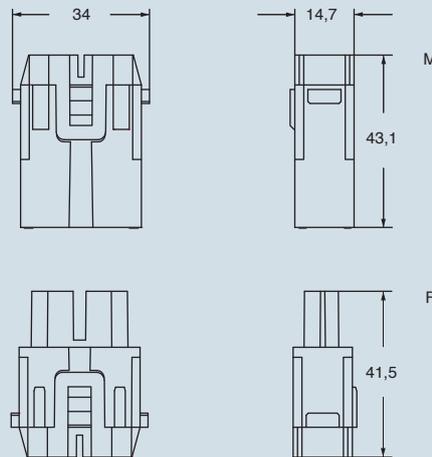
CXMA 1.5
CXMA 2.5
CXMA 4.0
CXMA 6.0
CXMA 10

- 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

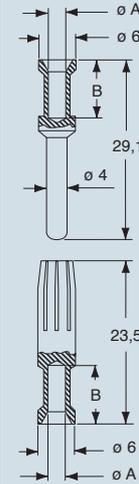
* cable diameter up to 7.5 mm
contact size up to 10 mm²



dimensions in mm

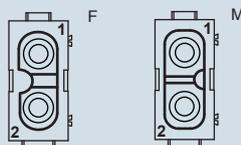


dimensions in mm



contacts side (front view)

side with reference arrow ▲



- 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

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

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

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: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- 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

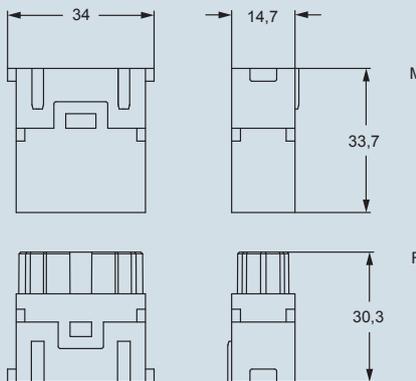
CIPZ D crimping tool

CITP D turret head

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

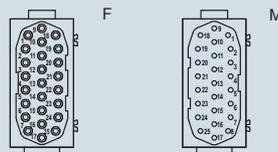
CIES B insertion / removal tool for contacts 0,75 mm²

dimensions in mm



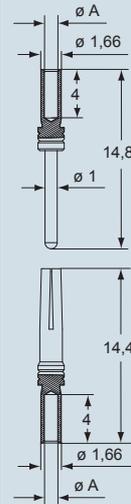
contacts side (front view)

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).

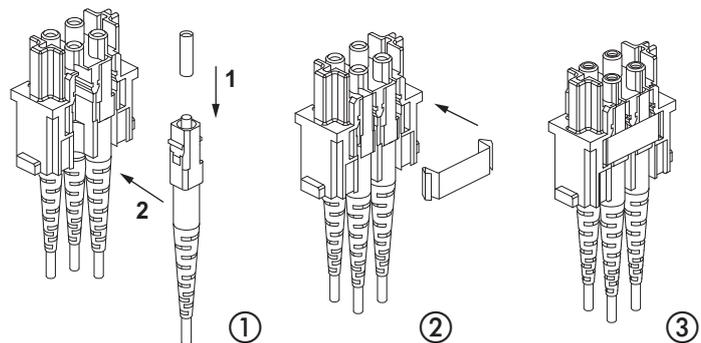
NOTE. Due to the higher skill and training required to produce an effectively performing fibre optic junction for a single-mode type fibre-optic cable than for a multi-mode one, dedicated contacts for single-mode are available only upon request. Contact our Commercial Department for a quotation. It is 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.

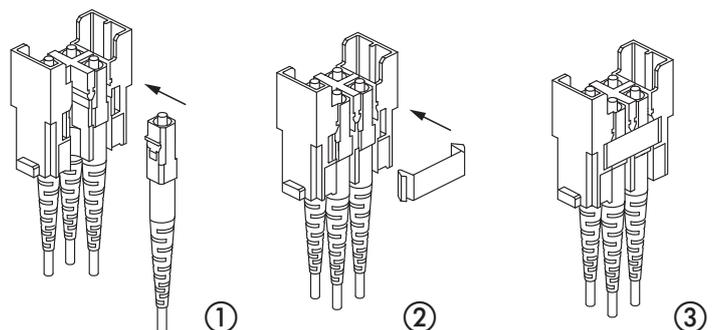
Part No. of inserts		CX 04 SC
No. of seats/poles	seats for optical contacts (SC connectors)	4
ambient temperature limit (°C)	min	-40
	max	+85
degree of protection	with enclosures (according to type)	IP65/IP69, IP66/IP69, IP66/IP67/P69, IP66/IP68/P69 (*)
fibre optic connection		glue, crimp
mechanical 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

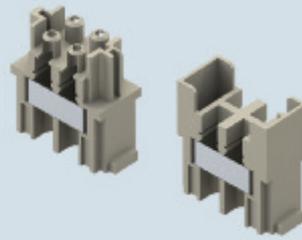
refer to catalogue page CN.16

- 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

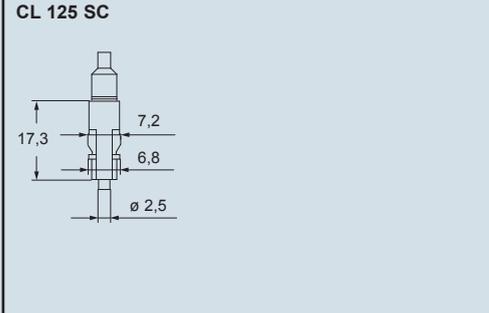
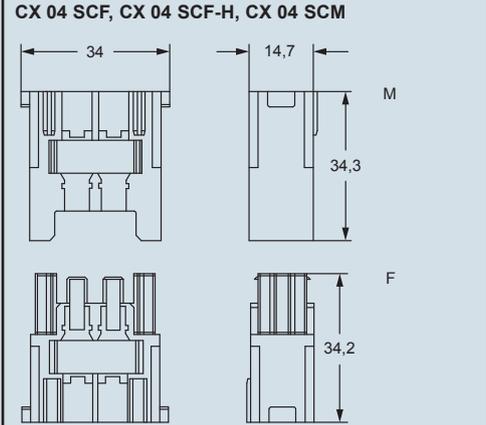
CL 125 SC
CL POF SC

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

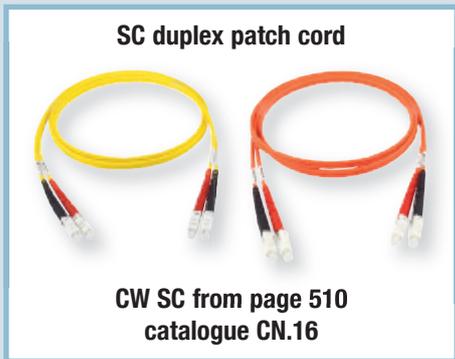
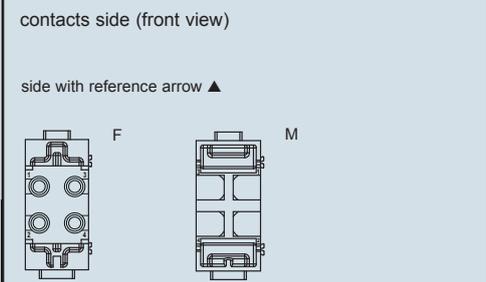
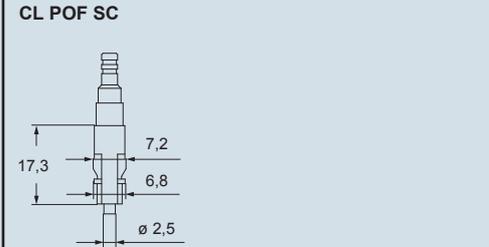
- adaptor insert fitted with metal plate and sleeve (female only) fixing

dimensions in mm

dimensions in mm



- 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.



- 1 frame slot

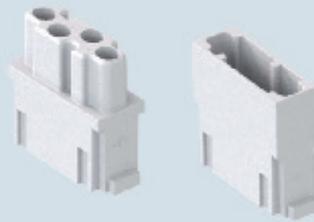
dimensions shown are not binding and may be changed without notice

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**

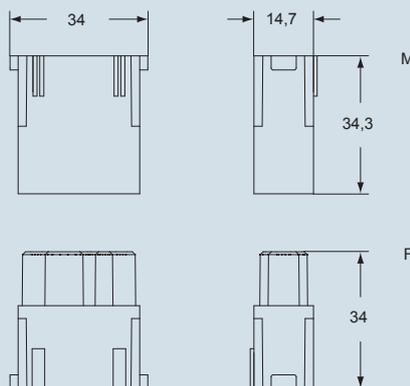
description	part No.	part No.
without contacts (to be ordered separately) - female inserts for female contacts - male inserts for male contacts	CX 04 RF CX 04 RM	
female coaxial contacts 50Ω male coaxial contacts 50Ω		CX 50 RF CX 50 RM
female coaxial contacts 75Ω male coaxial contacts 75Ω		CX 75 RF CX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

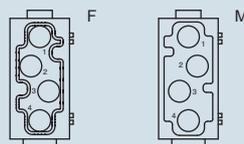
dimensions in mm

CX 04 RF / RM



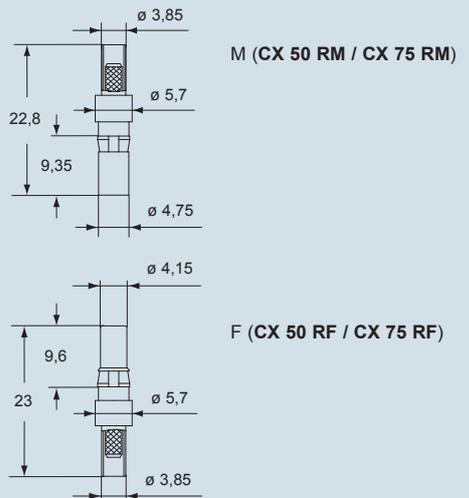
contacts side (front view)

side with reference arrow ▲

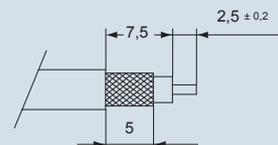


- 1 frame slot

dimensions in mm



conductor stripping

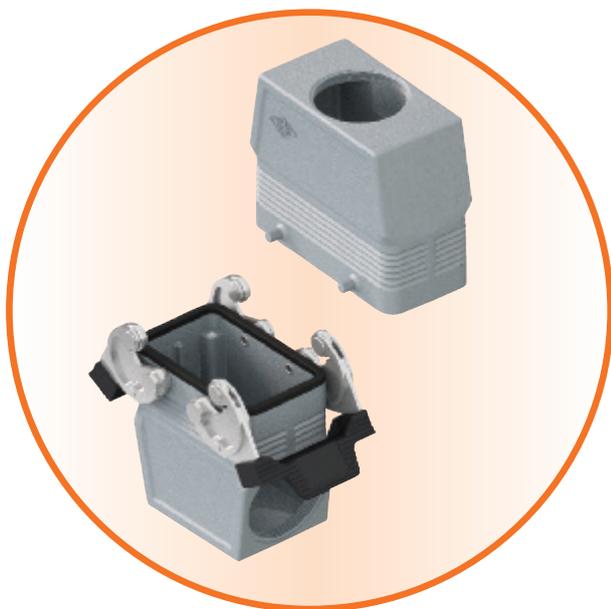


coaxial contacts	for cables	ø external	part No.
50Ω	RG 316/U	2,49 ±0,1	CX 50 RF
	RG 174 A/U	2,79 ±0,127	CX 50 RM
	RG 188 A/U	2,79 max	
75Ω	RG 179 B/U	2,54 ±0,127	CX 75 RF
	RG 187 A/U	2,79 max	CX 75 RM
	TZC 75 101	2,79 max	

dimensions shown are not binding and may be changed without notice

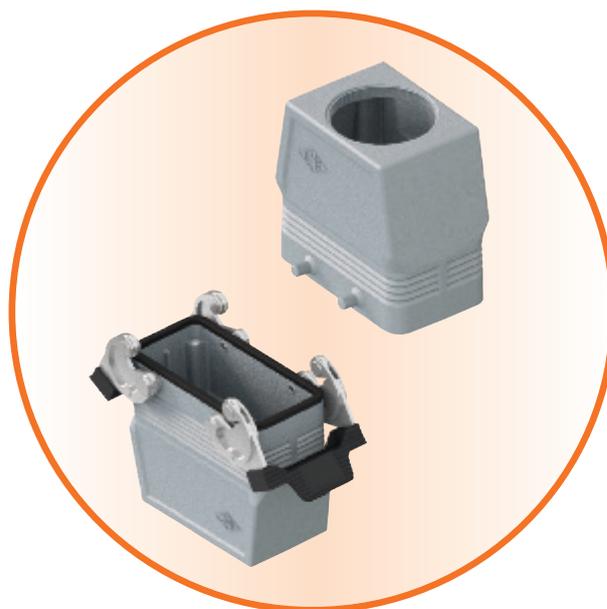
C-TYPE series

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

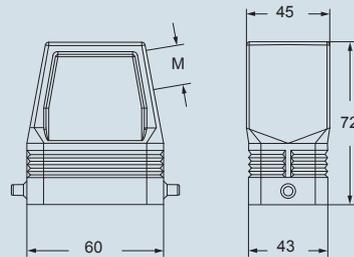
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

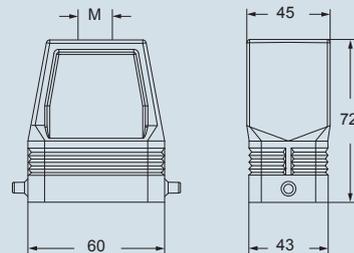
- C-TYPE, IP65/IP66 stainless steel lever, from page 240 to page 243 catalogue CN.16
- C7, IP67 stainless steel lever, page 274 catalogue CN.16
- CV, IP66 stainless steel lever, page 280 and 284 catalogue CN.16

dimensions in mm

MFO L

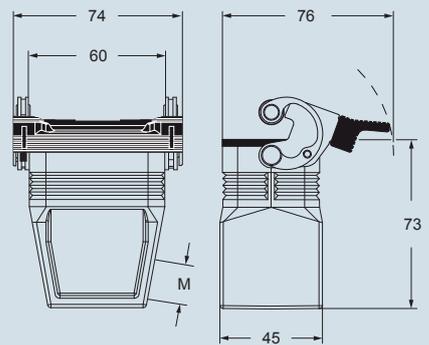


MFV L

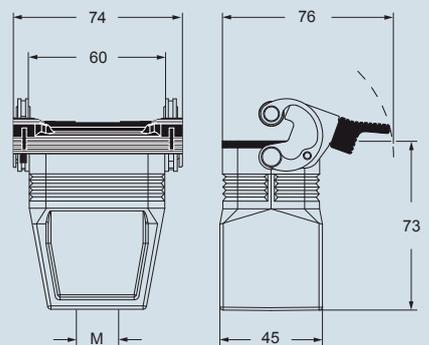


dimensions in mm

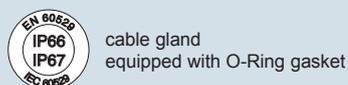
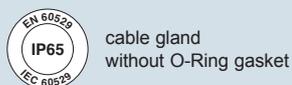
MFO LG



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

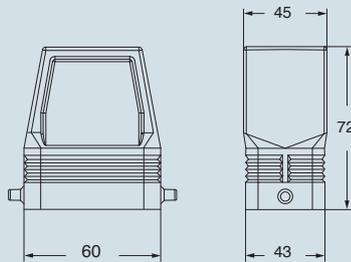


**AVAILABLE
 NOVEMBER 2017**

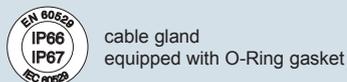
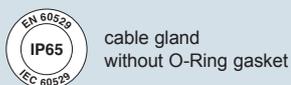
description	part No. with 2 pegs
with pegs, high construction	CAC 06 L

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:



dimensions shown are not binding
 and may be changed without notice

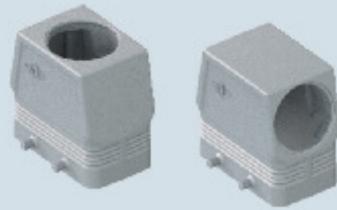


inserts:	page:
CDD 42 poles + ⊕	69 *
CDS 18 poles + ⊕	79 *
CDSH 18 poles + ⊕	10 **
CSH 10 poles + ⊕	92 *
CNE, CSE 10 poles + ⊕	105 *
CCE 10 poles + ⊕	111 *
CSS 10 poles + ⊕	123 *
CQE 18 poles + ⊕	139 *
CMCE 3+2 (aux) poles + ⊕	148 *
CMSH 3+2 (aux) poles + ⊕	149 *
CX 8/24 poles + ⊕	169 *
MIXO 3 modules	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.		part No.		part No.		part No.	
		entry Pg		entry M		entry Pg		entry M
with pegs, side entry, high construction, without adaptor *	CFO 10.21	21	MFO 10.32	32	CFO 10 L21	21	MFO 10 L32	32
with pegs, side entry, high construction, without adaptor *	CFO 10.29	29	MFO 10.40	40	CFO 10 L29	29	MFO 10 L40	40
with pegs, top entry, high construction, without adaptor *	CFV 10.21	21	MFV 10.32	32	CFV 10 L21	21	MFV 10 L32	32
with pegs, top entry, high construction, without adaptor *	CFV 10.29	29	MFV 10.40	40	CFV 10 L29	29	MFV 10 L40	40

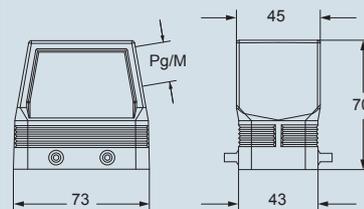
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

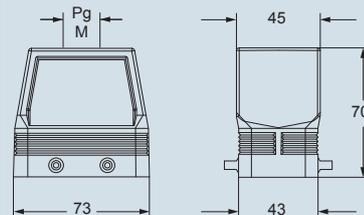
- C-TYPE, IP65/IP66 stainless steel lever, from page 244 to page 249 catalogue CN.16
- C7, IP67 stainless steel lever, page 275 catalogue CN.16
- CV, IP66 stainless steel lever, page 281 and 288 catalogue CN.16

dimensions in mm

CFO and MFO

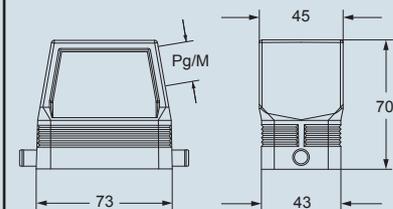


CFV and MFV

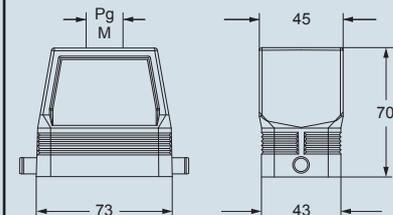


dimensions in mm

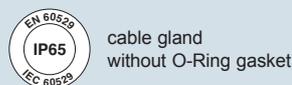
CFO L and MFO L



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

part No.	entry M
MFO 10 G40	40
MFV 10 G40	40

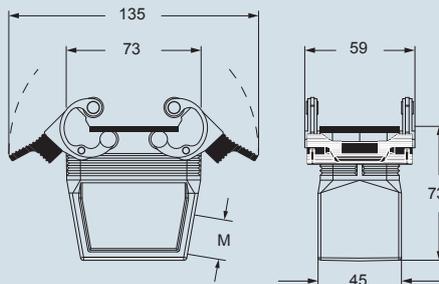
part No.	entry M
MFO 10 LG40	40
MFV 10 LG40	40

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

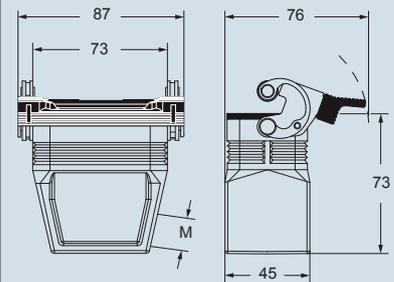
dimensions in mm

dimensions in mm

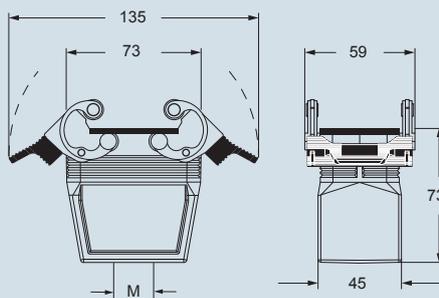
MFO G



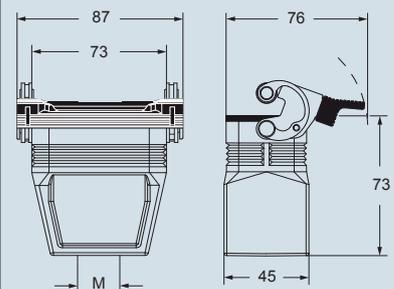
MFO LG



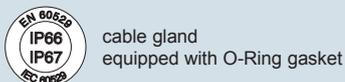
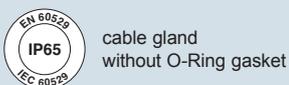
MFV G



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:
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**

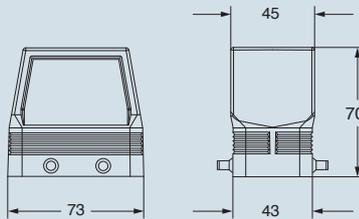
description	part No. with 4 pegs	part No. with 2 pegs
with pegs, high construction	CAC 10	CAC 10 L

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

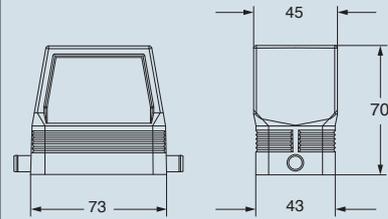
dimensions in mm

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

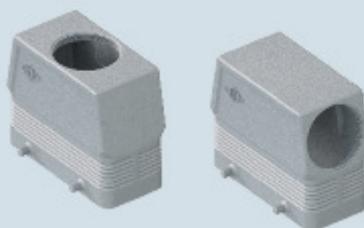


inserts:		page:
CD	40 poles + ⊕	57 *
CDD	72 poles + ⊕	70 *
CDS	27 poles + ⊕	80 *
CDSH	27 poles + ⊕	11 **
CSH	16 poles + ⊕	93 *
CNE, CSE	16 poles + ⊕	106 *
CCE	16 poles + ⊕	112 *
CSS	16 poles + ⊕	124 *
CQE	32 poles + ⊕	140 *
CQEE	40 poles + ⊕	146 *
CMCE, CMSH 6+2 (aux)	poles + ⊕	150-151 *
CP	6 poles + ⊕	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

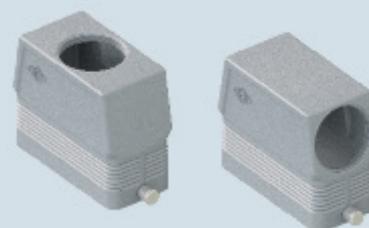
insert centre distance: 77,5 x 27 mm

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			
					CFO 16 L29			
					MFV 16 L32			
					MFV 16 L40			

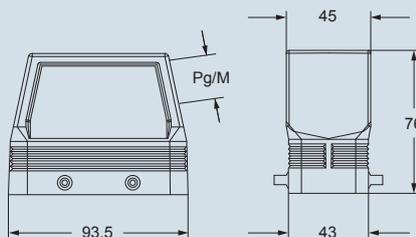
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

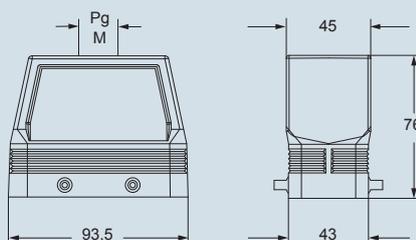
- C-TYPE, IP65/IP66 stainless steel lever, from page 250 to page 256 catalogue CN.16
- C7, IP67 stainless steel lever, page 276 catalogue CN.16
- CV, IP66 stainless steel lever, page 282 and 292 catalogue CN.16

dimensions in mm

CFO and MFO

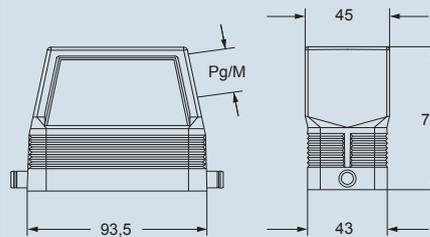


CFV and MFV

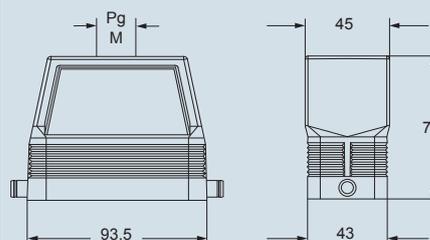


dimensions in mm

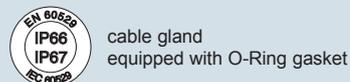
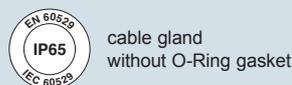
CFO L and MFO L



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

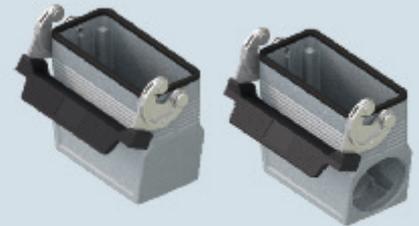
insert centre distance: 77,5 x 27 mm

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



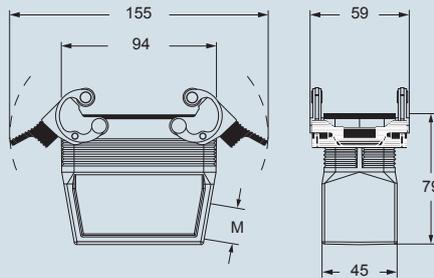
**AVAILABLE
 NOVEMBER 2017**

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

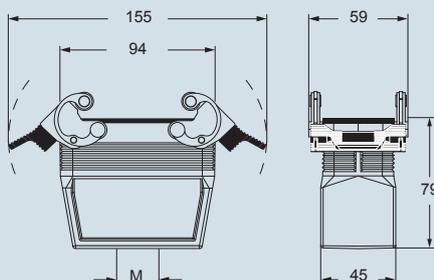
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

MFO G

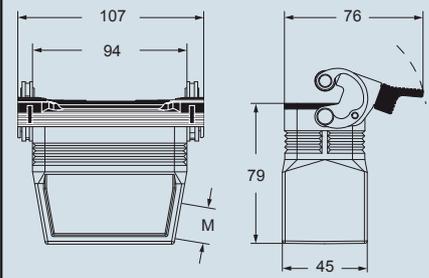


MFV G

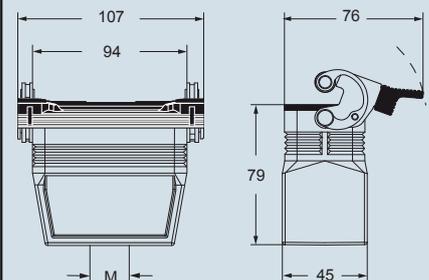


dimensions in mm

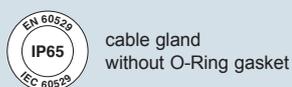
MFO LG



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:
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**

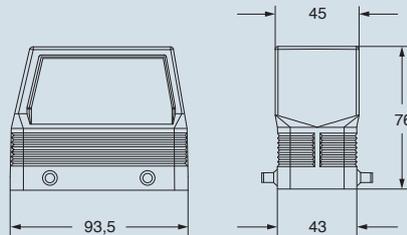
description	part No. with 4 pegs	part No. with 2 pegs
with pegs, high construction	CAC 16	CAC 16 L

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

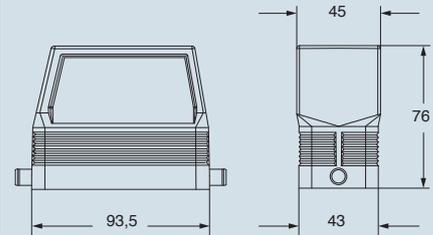
dimensions in mm

CAC

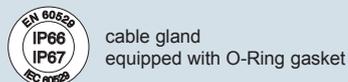
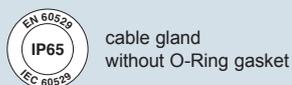


dimensions in mm

CAC L



IP degrees are according to the type of lever and:



dimensions shown are not binding
 and may be changed without notice

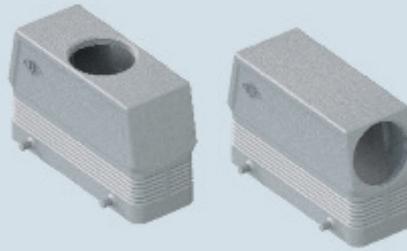


inserts:	page:
CD 64 poles + ⊕	59 *
CDD 108 poles + ⊕	72 *
CDS 42 poles + ⊕	81 *
CDSH 42 poles + ⊕	12 **
CSH 24 poles + ⊕	94 *
CNE, CSE 24 poles + ⊕	107 *
CCE 24 poles + ⊕	113 *
CSS 24 poles + ⊕	125 *
CQE 46 poles + ⊕	141 *
CQEE 64 poles + ⊕	147 *
CMCE 10+2 (aux) poles + ⊕	152 *
CMSH 10+2 (aux) poles + ⊕	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

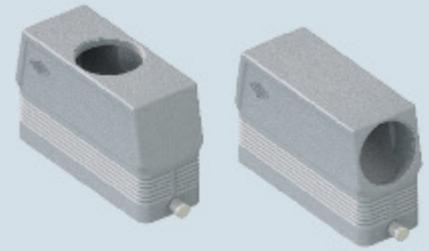
insert centre distance: 104 x 27 mm

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	part No.		entry		part No.		entry	
			Pg	M			Pg	M
with pegs, side entry, high construction, without adaptor *	CFO 24.21	21	MFO 24.32	32	CFO 24 L21	21	MFO 24 L32	32
with pegs, side entry, high construction, without adaptor *	CFO 24.29	29	MFO 24.40	40	CFO 24 L29	29	MFO 24 L40	40
with pegs, top entry, high construction, without adaptor *	CFV 24.21	21	MFV 24.32	32	CFV 24 L21	21	MFV 24 L32	32
with pegs, top entry, high construction, without adaptor *	CFV 24.29	29	MFV 24.40	40	CFV 24 L29	29	MFV 24 L40	40

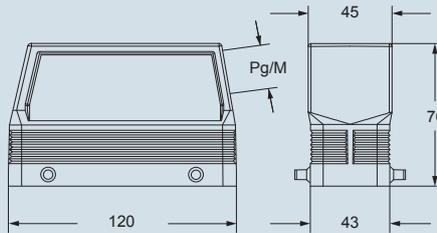
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

alternatively, hoods with pegs are coupled with fixed enclosures:

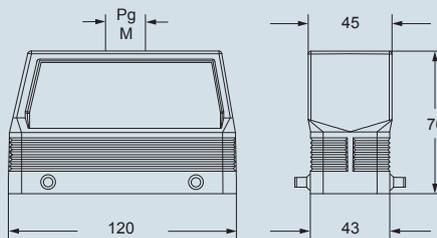
- C-TYPE, IP65/IP66 stainless steel lever, from page 258 to page 266 catalogue CN.16
- C7, IP67 stainless steel lever, page 277 catalogue CN.16
- CV, IP66 stainless steel lever, page 283 and 296 catalogue CN.16

dimensions in mm

CFO and MFO

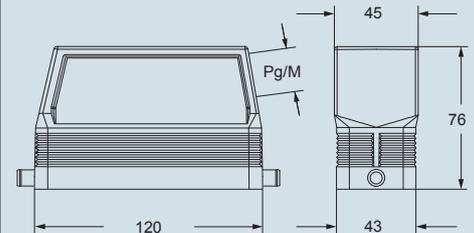


CFV and MFV

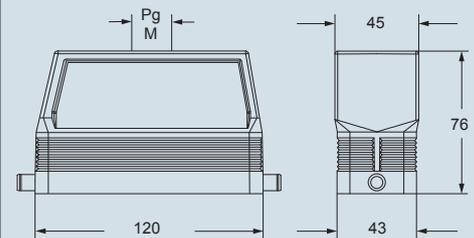


dimensions in mm

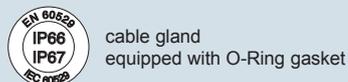
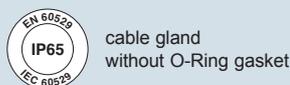
CFO L and MFO L



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**

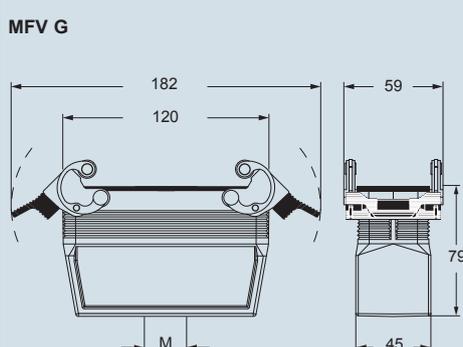
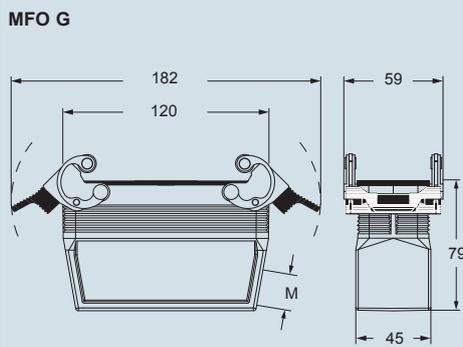
description
with levers and gasket, side entry, high construction, without adaptor *
with levers and gasket, top entry, high, without adaptor * without adaptor *

part No.	entry
MFO 24 G40	40
MFV 24 G40	40

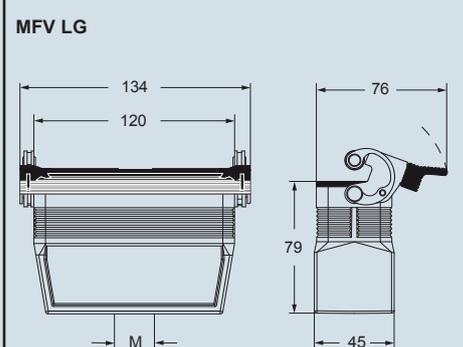
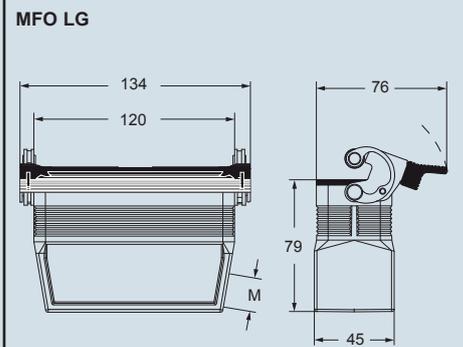
part No.	entry
MFO 24 LG40	40
MFV 24 LG40	40

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

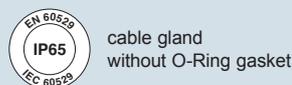
dimensions in mm



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



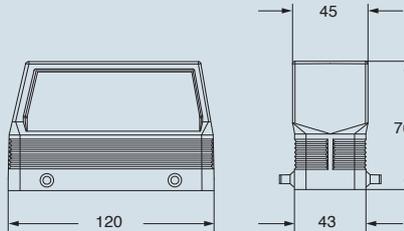
**AVAILABLE
NOVEMBER 2017**

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

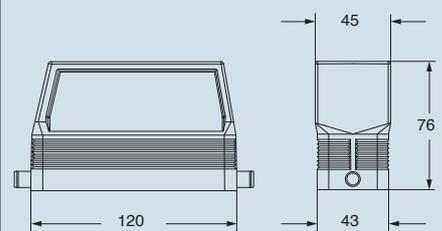
dimensions in mm

CAC



dimensions in mm

CAC L



IP degrees are according to the type of lever and:



cable gland without O-Ring gasket



cable gland equipped with O-Ring gasket

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



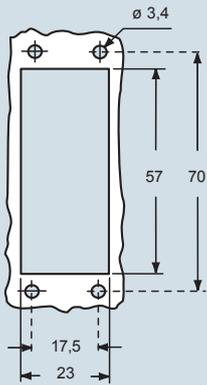
lever in stainless steel



AVAILABLE MAY 2017

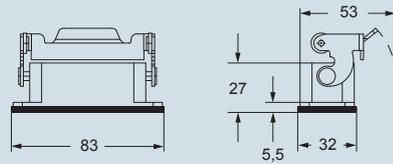
description	part No.	part No.	entry M
with single lever	CZ7I 15 L		
with single lever and cover	CZ7I 15 LS		
with single lever with single lever		MZ7P 15 L25	25
		MZ7P 15 L225	25 x 2
with lever and cover with lever and cover		MZ7P 15 LS25	25
		MZ7P 15LS225	25 x 2

panel cut-out for bulkhead mounting housings in mm

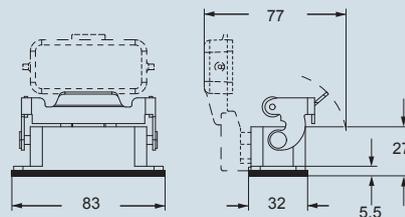


dimensions in mm

CZ7I L

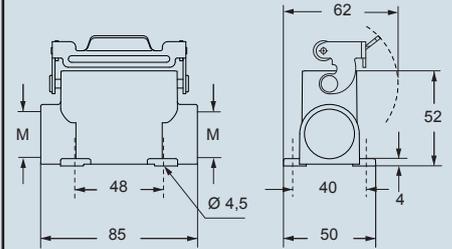


CZ7I LS

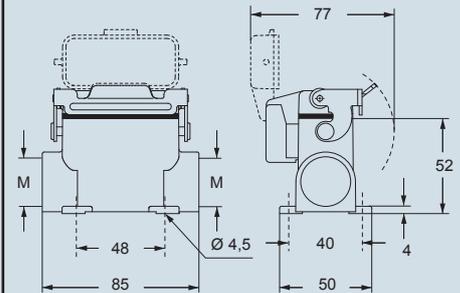


dimensions in mm

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



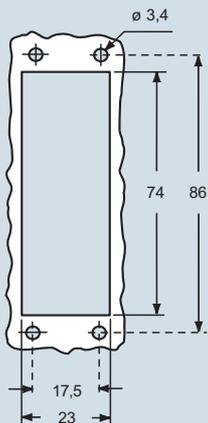
lever in stainless steel



AVAILABLE MAY 2017

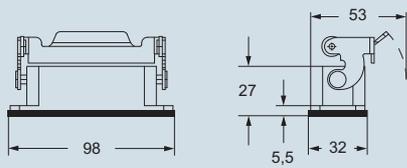
description	part No.	part No.	entry M
with single lever	CZ7I 25 L		
with single lever and cover	CZ7I 25 LS		
with single lever, high construction		MZ7P 25 L25	25
with single lever, high construction		MZ7P 25 L225	25 x 2
with single lever and cover, high construction		MZ7P 25LS25	25
with single lever and cover, high construction		MZ7P 25LS225	25 x 2

panel cut-out for bulkhead mounting housings in mm

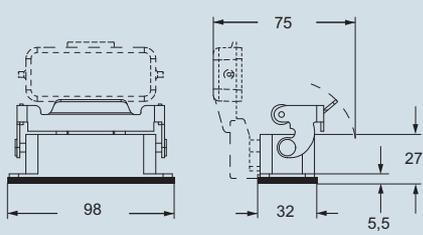


dimensions in mm

CZ7I L

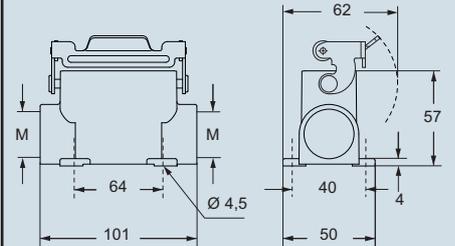


CZ7I LS

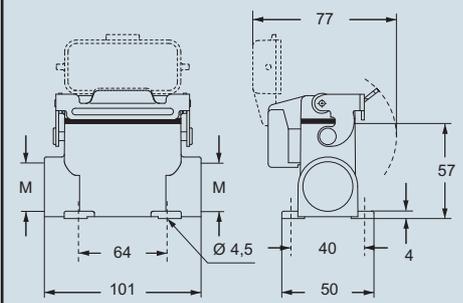


dimensions in mm

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).

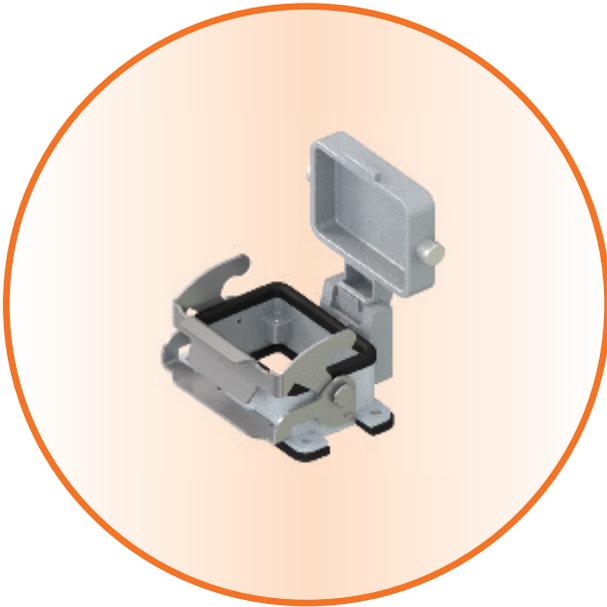
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use M3 screws of suitable length (negligible surface buckling when subjected to tightening torque on the fixing screws of 0,5 - 0,8 Nm or deformation caused by the weight of the complete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

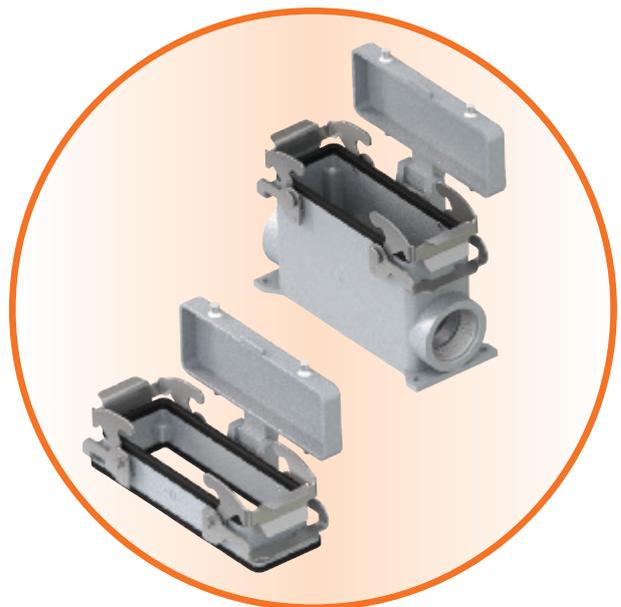
IP67 enclosures with 1 or 2 levers and cover

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

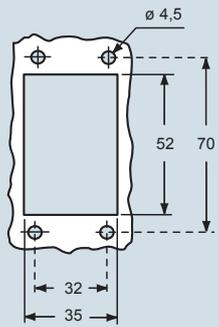


AVAILABLE MAY 2017

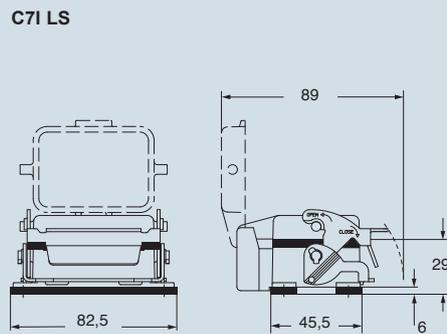
description	part No.
with lever and cover, size "44.27"	C7I 06 LS
with lever and cover, size "44.27"	
with lever and cover, high construction, size "44.27"	
with lever and cover, high construction, size "44.27"	
with lever and cover, high construction, size "44.27"	
with lever and cover, high construction,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

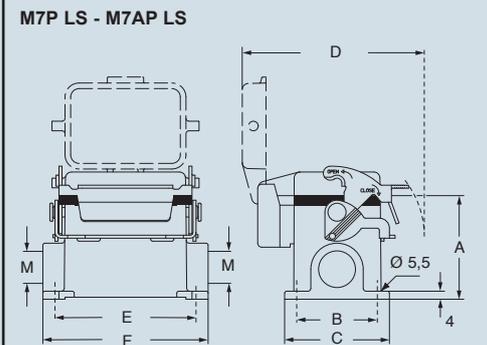
panel cut-out for bulkhead mounting housings in mm



dimensions in mm



dimensions in mm



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

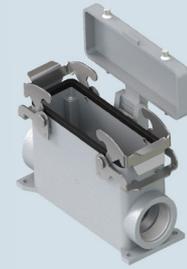


lever in stainless steel



AVAILABLE NOVEMBER 2017

surface mounting housings with 2 levers and metal cover



lever in stainless steel

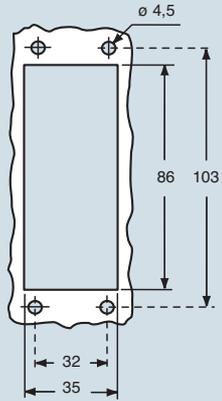


AVAILABLE NOVEMBER 2017

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"	

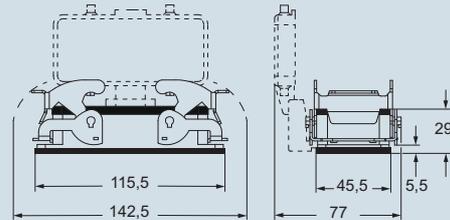
part No.	entry
M7AP 16 S32	32
M7AP 16 S232	32 x 2

panel cut-out for bulkhead mounting housings in mm



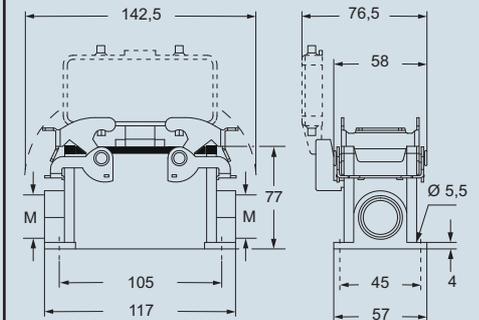
dimensions in mm

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

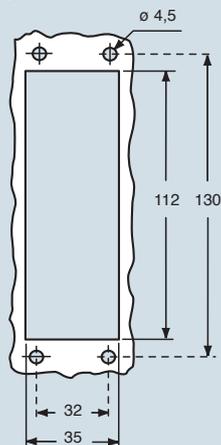


AVAILABLE NOVEMBER 2017

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"	

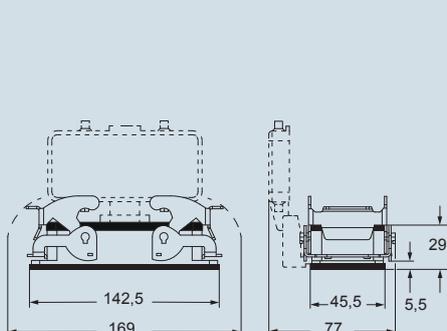
part No.	entry
	M
M7AP 24 S32	32
M7AP 24 S232	32 x 2

panel cut-out for bulkhead mounting housings in mm



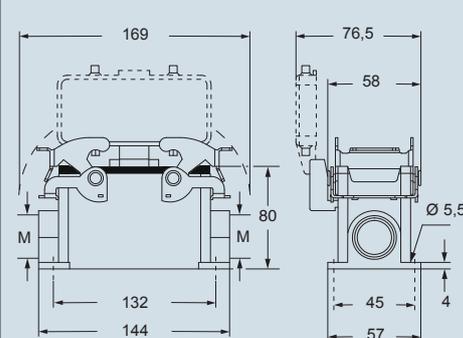
dimensions in mm

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 Ilme 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



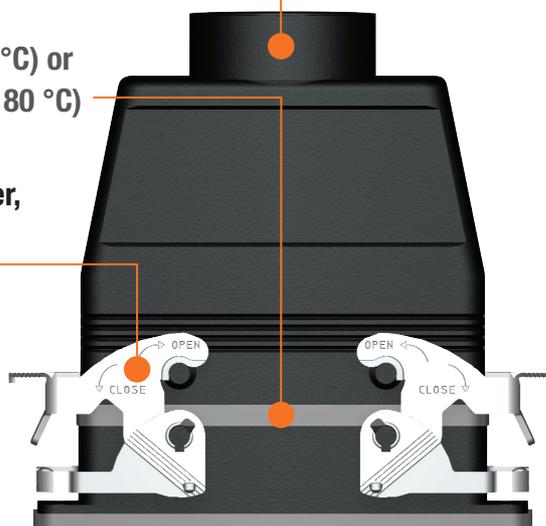
- IP66, IP67, IP69 degree of protection (EN 60529)

- 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

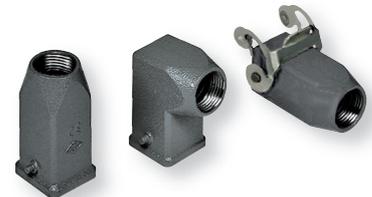
- IP44, IP66/67
- Lever in stainless steel



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

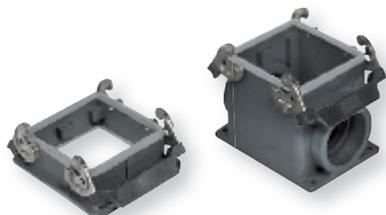
EN ISO 9227 (2012): 2.000 hrs

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) *)	6 poles + ⊕ 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

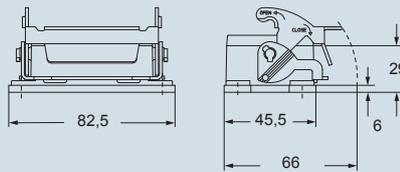
part No.	entry M
M7PE 06 L20	20
M7PE 06 L220	20 x 2
M7APE 06 L32	32
M7APE 06L232	32 x 2
M7APE 06 L40	40
M7APE 06L240	40 x 2

TECHNICAL DETAILS:

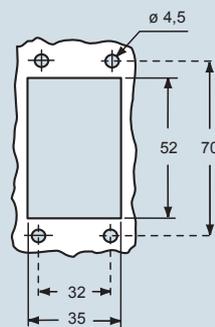
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours 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

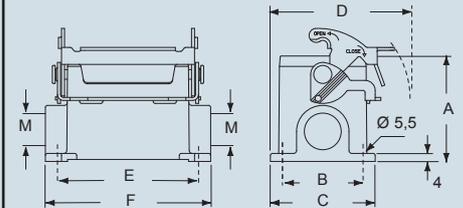


panel cut-out for bulkhead mounting housings in mm



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.

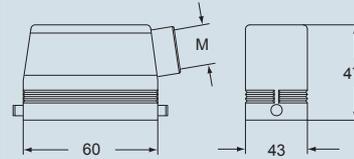
¹⁾ cannot be used with MIXO series

TECHNICAL DETAILS:

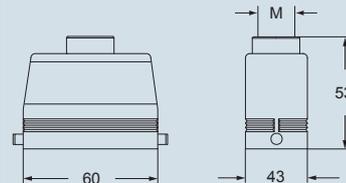
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °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

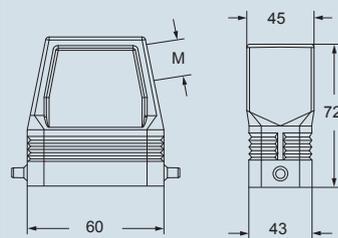
MHOE L..M



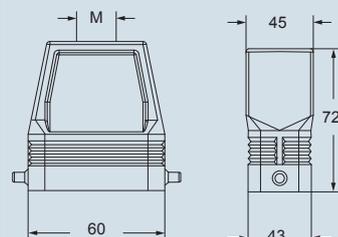
MHVE L..M



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

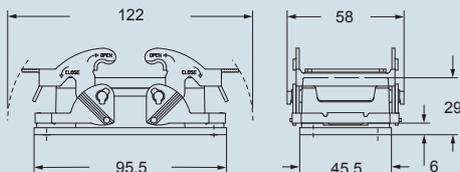
description	part No.	part No.	entry
		M	
with levers, size "57.27"	C7IE 10		
with levers, size "57.27"		M7PE 10.20	20
with levers, size "57.27"		M7PE 10.220	20 x 2
with levers, high construction, size "57.27"		M7APE 10.32	32
with levers, high construction, size "57.27"		M7APE 10.232	32 x 2
with levers, high construction, size "57.27"		M7APE 10.40	40
with levers, high construction, size "57.27"		M7APE 10.240	40 x 2

TECHNICAL DETAILS:

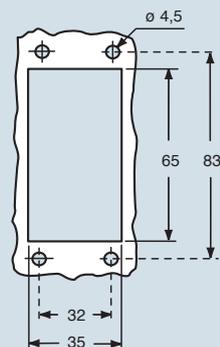
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours 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



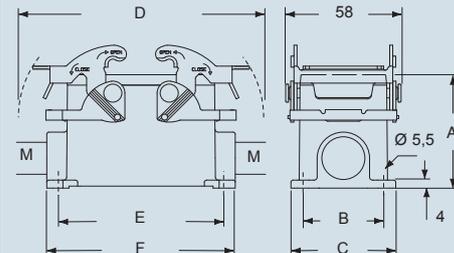
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete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

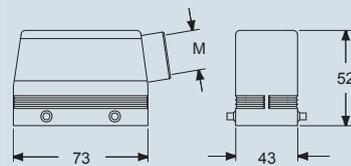
** can only be used with a complete cable gland (to be purchased separately)

TECHNICAL DETAILS:

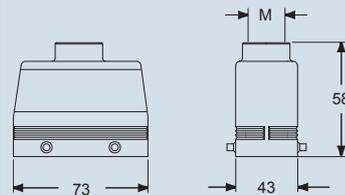
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °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

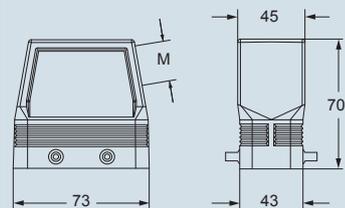
MHOE..M



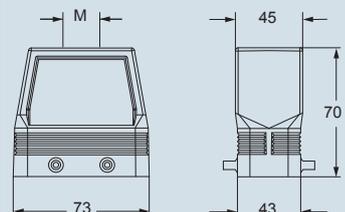
MHVE..M



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:		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 *

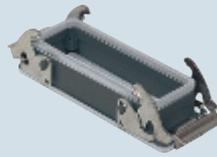
*) can be used only in bulkhead mounting housings

* 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 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

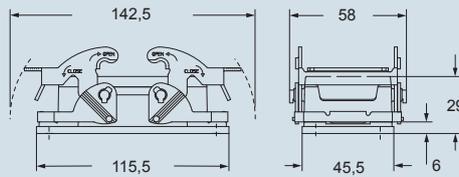
description	part No.	part No.	entry
			M
with levers, size "77.27"	C7IE 16		
with levers, size "77.27"		M7PE 16.25	25
with levers, size "77.27"		M7PE 16.225	25 x 2
with levers, high construction, size "77.27"		M7APE 16.32	32
with levers, high construction, size "77.27"		M7APE 16.232	32 x 2
with levers,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

TECHNICAL DETAILS:

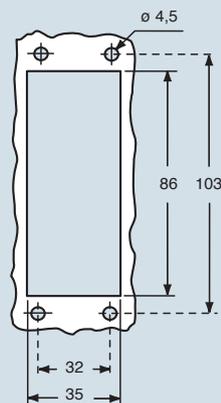
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours 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



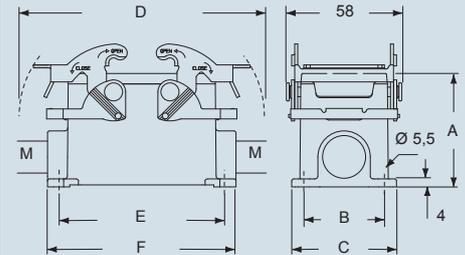
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete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

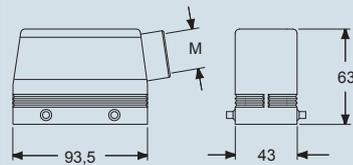
** can only be used with a complete cable gland (to be purchased separately)

TECHNICAL DETAILS:

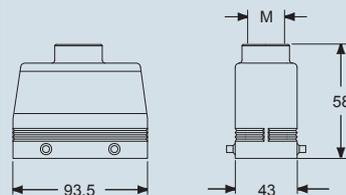
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °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

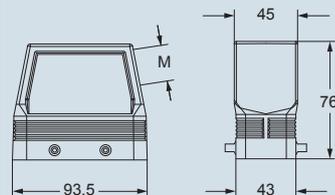
MHOE..M



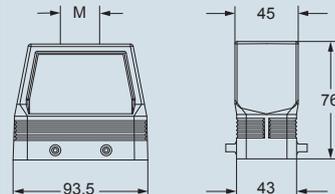
MHVE..M



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 *

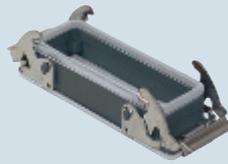
*) can be used only in bulkhead mounting housings

* 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

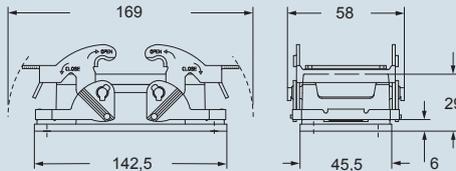
description	part No.	part No.	entry
		M	
with levers, size "104.27"	C7IE 24		
with levers, size "104.27"		M7PE 24.25	25
with levers, size "104.27"		M7PE 24.225	25 x 2
with levers, high construction, size "104.27"		M7APE 24.32	32
with levers, high construction, size "104.27"		M7APE 24.232	32 x 2
with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

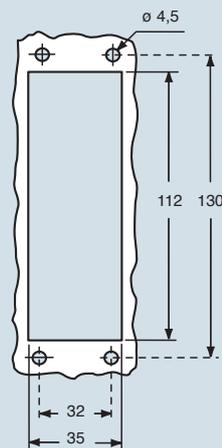
- the lever, due to the vertical closing movement, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 3.000 hours 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



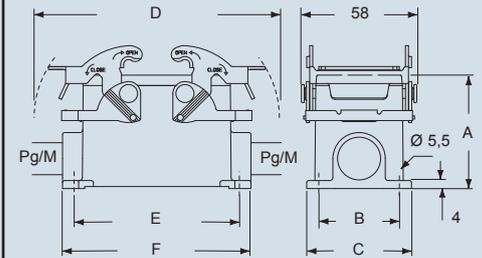
For bulkhead mounting housings, IP66/IP67 protection rating is guaranteed for mounting on a sufficiently rigid panel; use suitable length M4 screws (negligible surface buckling when subjected to tightening couple on the fixing screws of 0,8 - 1,2 Nm or deformation caused by the weight of the complete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

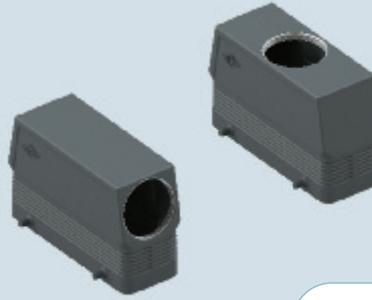
inserts:		page:
CD	64 poles + ⊕	59 *
CDD	108 poles + ⊕	72 *
CDS	42 poles + ⊕	81 *
CDSH	42 poles + ⊕	12 **
CSH	24 poles + ⊕	94 *
CNE, CSE	24 poles + ⊕	107 *
CCE	24 poles + ⊕	113 *
CSS	24 poles + ⊕	125 *
CQE	46 poles + ⊕	141 *
CQEE	64 poles + ⊕	147 *
CMCE	10+2 (aux) poles + ⊕	152 *
CMSH	10+2 (aux) poles + ⊕	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.

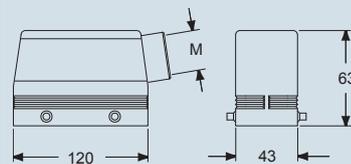
** can only be used with a complete cable gland (to be purchased separately)

TECHNICAL DETAILS:

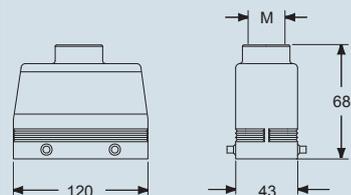
- 3.000 hours in salt spray tests (EN ISO 9227: 2012) for bulkhead enclosures with V-TYPE lever and hood with moulded pegs (low number of mating cycles)
- 2.000 hours in salt spray tests (EN ISO 9227: 2012) with other E-Xtreme® housings
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °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

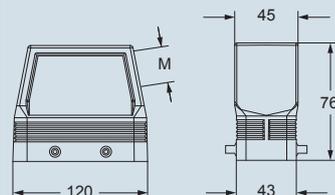
MHOE..M



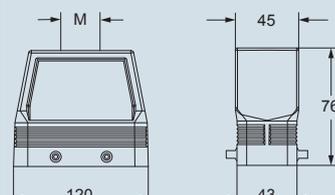
MHVE..M



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

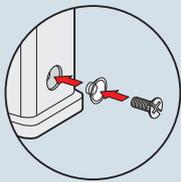


2.000 hrs

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

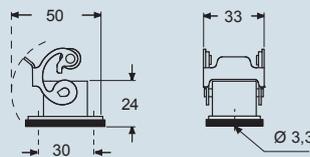
Note:

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

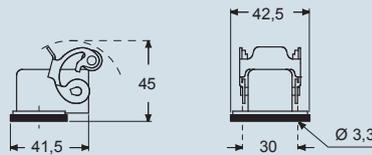


dimensions in mm

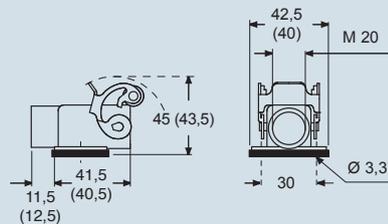
CKAXE I



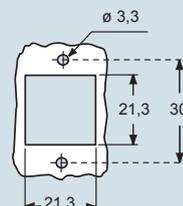
CKAXE IA



MKAXE IAP (MKAXE AP)

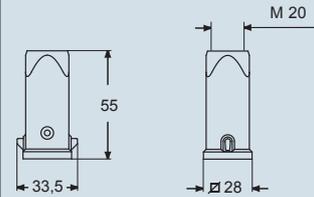


panel cut-out for bulkhead mounting housings in mm

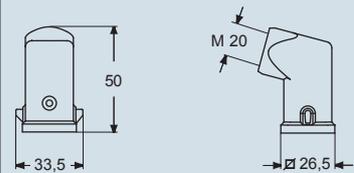


dimensions in mm

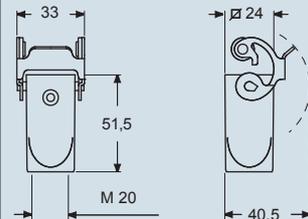
MKAE V



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

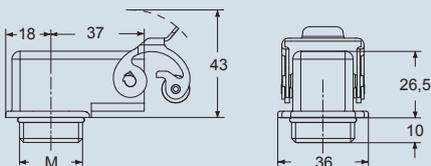
(*) locknut supplied on request, see catalogue cable glands (articles AS M20N and AS M25N metallic, AS M20L and AS M25L insulating)

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.

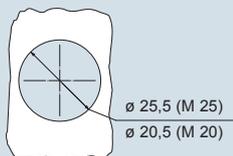


dimensions in mm

MKAXE IAF



panel cut-out

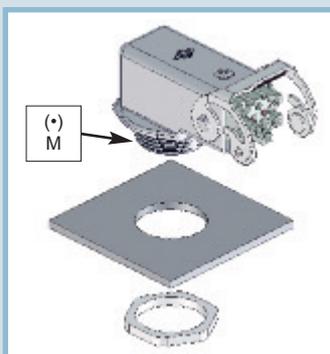


TECHNICAL DETAILS:

- 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

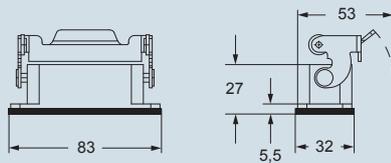
description	part No.	part No.	entry M	part No.	entry M
bulkhead mounting housing, with lever	CZ7IE 15 L				
surface mounting housing, with lever		MZ7PE 15L225	25 x 2		
with pegs, side entry				MZOE 15 L20	20
with pegs, side entry				MZOE 15 L25	25
with pegs, side entry, high construction				MZAOE 15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

TECHNICAL DETAILS:

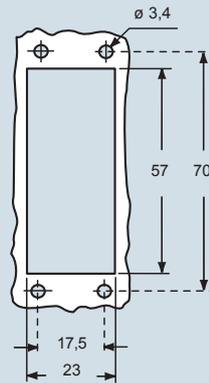
- The rigid lever, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 2.000 hours in salt spray tests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

dimensions in mm

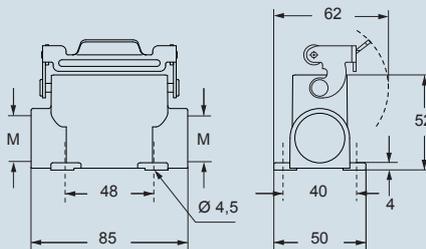
CZ7IE L



panel cut-out for bulkhead mounting housing in mm

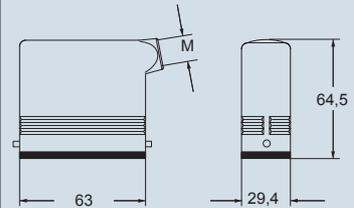


MZ7PE L

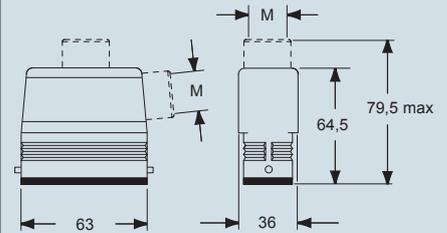


dimensions in mm

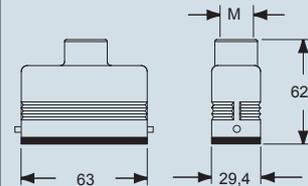
MZO E L



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

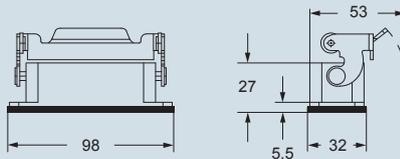
description	part No.	part No.	entry M	part No.	entry M
bulkhead mounting housing, with lever	CZ7IE 25 L				
surface mounting housing, with lever		MZ7PE 25L225	25 x 2		
with pegs, side entry				MZO E 25 L20	20
with pegs, side entry				MZO E 25 L25	25
with pegs, side entry, high construction				MZAO E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

TECHNICAL DETAILS:

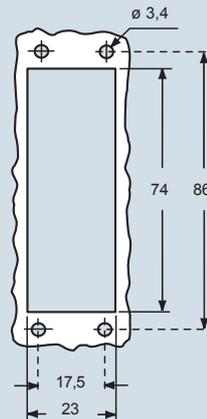
- The rigid lever, offers an IP66/IP67 protection rating (according to EN 60529) when fitted with a complete and coupled connector and used with ILME standard hoods in die cast aluminum with pegs (without adaptor, for further information please contact I.L.M.E. SpA)
- 2.000 hours in salt spray tests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

dimensions in mm

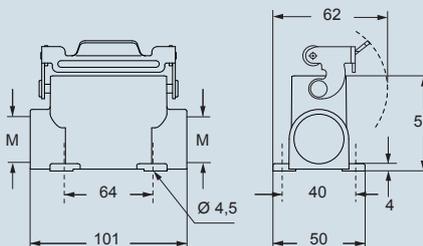
CZ7IE L



panel cut-out for bulkhead mounting housing in mm

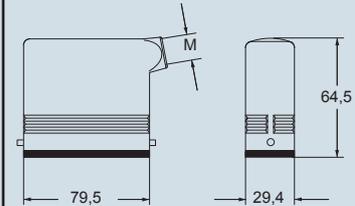


MZ7PE L

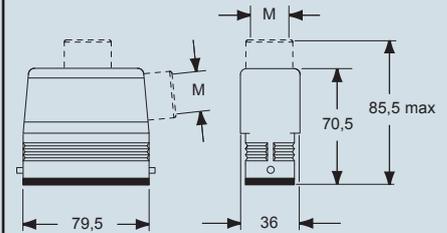


dimensions in mm

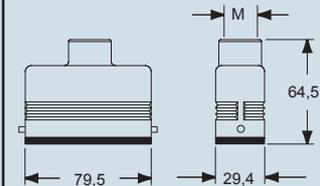
MZO E L



MZAO E 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

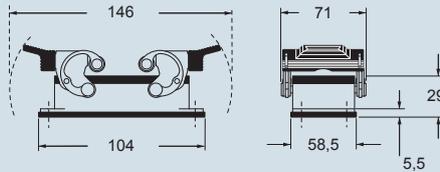
AVAILABLE 2017

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

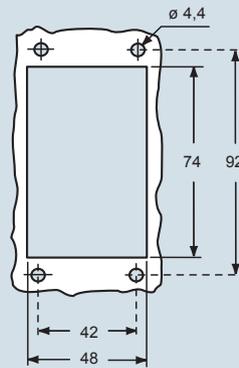
TECHNICAL DETAILS:
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

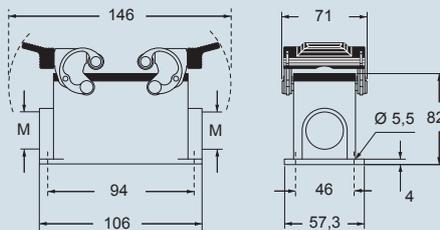
CHIE



panel cut-out for bulkhead mounting housing in mm

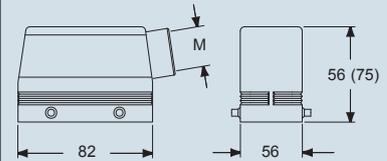


MHPE

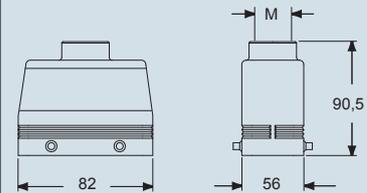


dimensions in mm

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

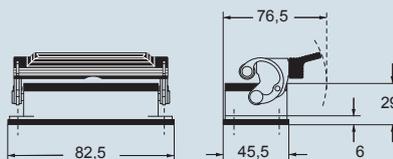
description	part No.		entry M	part No.		entry M
	CHIE 06 L	MAPE 06 L32		MAOE 06 L32	MAVE 06 L32	
bulkhead mounting housing, with lever						
surface mounting housing, with lever, high construction			32			
with pegs, side entry, high construction					32	
with pegs, top entry, high construction					32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

TECHNICAL DETAILS:

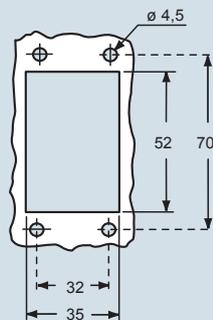
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 40
 - C-TYPE E-Xtreme®, IP66 stainless steel lever,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

dimensions in mm

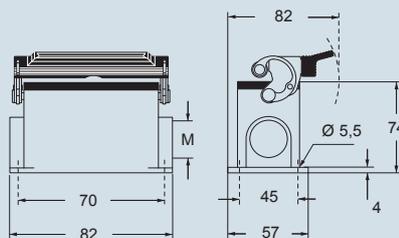
CHIE L



panel cut-out for bulkhead mounting housing in mm

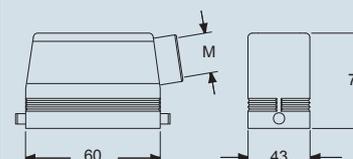


MAPE L

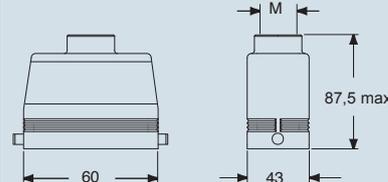


dimensions in mm

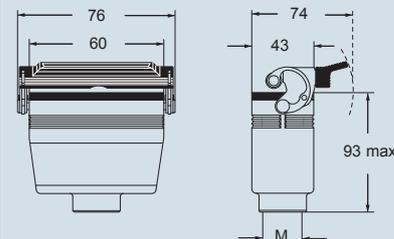
MAOE L



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

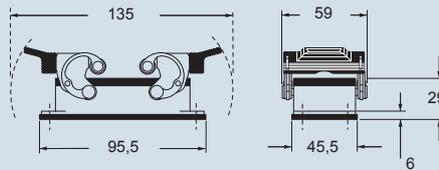
description	part No.		entry M	part No.		entry M
	CHIE 10	MAPE 10.32		MAOE 10.32	MAVE 10 G32	
bulkhead mounting housing, with levers	CHIE 10	MAPE 10.32	32	MAOE 10.32	MAVE 10 G32	32
surface mounting housing, with levers, high construction						
with pegs, side entry, high construction				MAOE 10.32	MAVE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

TECHNICAL DETAILS:

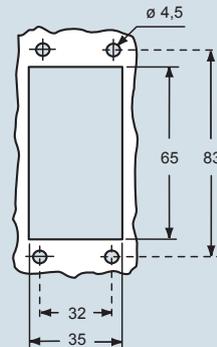
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 42
 - C-TYPE E-Xtreme®, IP66 stainless steel lever,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

dimensions in mm

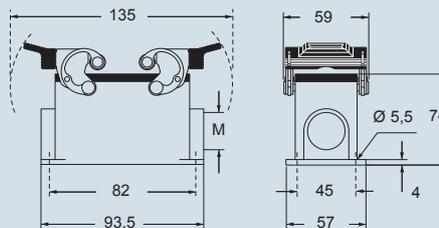
CHIE



panel cut-out for bulkhead mounting housing in mm

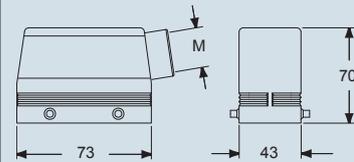


MAPE

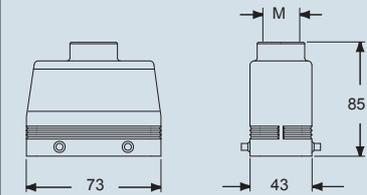


dimensions in mm

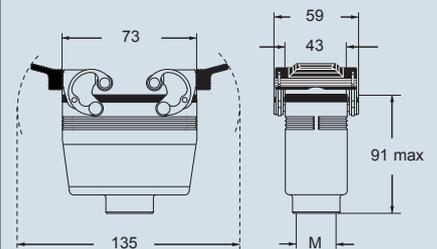
MAOE



MAVE



MAVE G



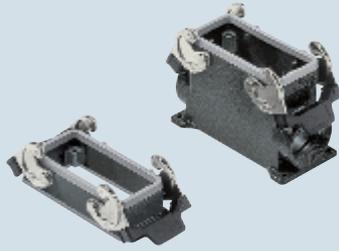
IP69 according to IEC/EN 60529

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

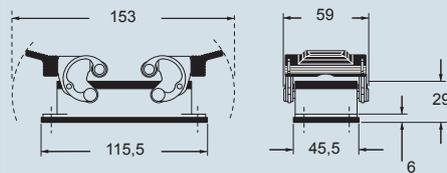
description	part No.	part No.	entry M	part No.	entry M
bulkhead mounting housing, with levers	CHIE 16	MAPE 16.32	32	MHOE 16.25	25
surface mounting housing, with levers, high construction				MHOE 16.32	32
with pegs, side entry				MAOE 16.32	32
with pegs, side entry, high construction				MAOE 16.40	40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

TECHNICAL DETAILS:

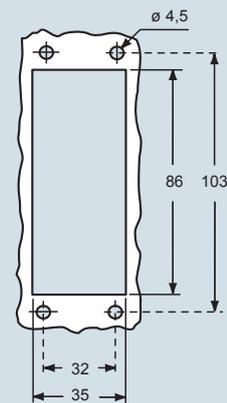
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C- mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 44
- C-TYPE E-Xtreme®, IP66 stainless steel lever, page 55

dimensions in mm

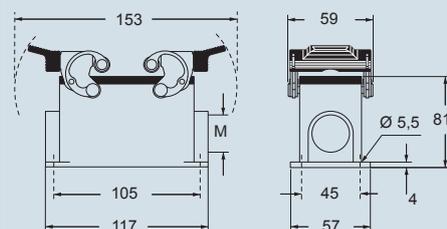
CHIE



panel cut-out for bulkhead mounting housing in mm

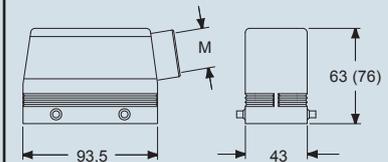


MAPE

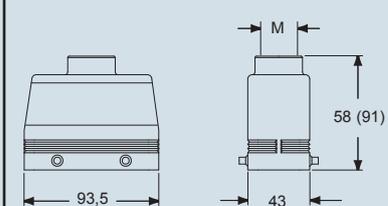


dimensions in mm

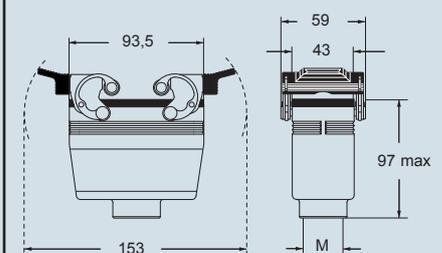
MHOE (MAOE)



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

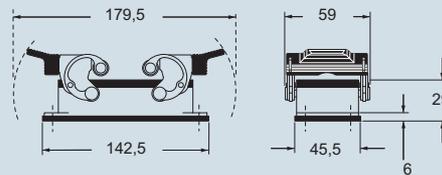
description	part No.	part No.	entry M	part No.	entry M
bulkhead mounting housing, with levers	CHIE 24	MAPE 24.32	32		
surface mounting housing, with levers, high construction					
with pegs, side entry				MHOE 24.25	25
with pegs, side entry				MHOE 24.32	32
with pegs, side entry, high construction				MAOE 24.32	32
with pegs, side entry, high construction				MAOE 24.40	40
with pegs, top entry				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:

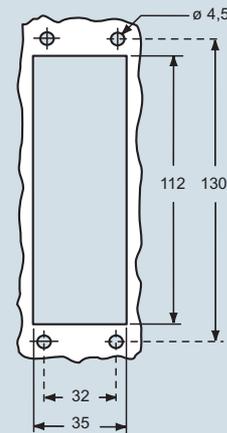
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles
- Alternatively, hoods with pegs are coupled with fixed enclosures:
- C7 E-Xtreme®, IP66/IP67 stainless steel lever, page 46
 - C-TYPE E-Xtreme®, IP66 stainless steel lever,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

dimensions in mm

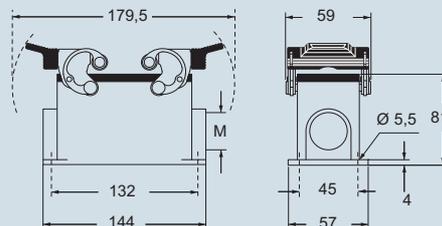
CHIE



panel cut-out for bulkhead mounting housing in mm

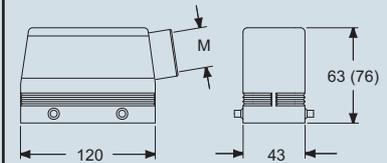


MAPE

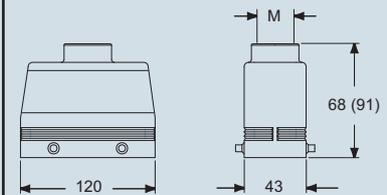


dimensions in mm

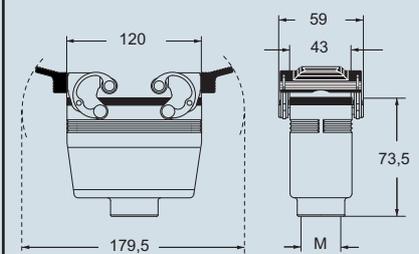
MHOE (MAOE)



MHVE (MAVE)



MAVE G



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice



inserts:	page:	 housings and cover
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

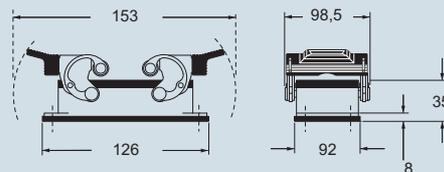
description	part No.	part No.	entry M	part No.	entry M
bulkhead mounting housing, with levers	CHIE 32				
surface mounting housing, with levers		MHPE 32.50	50		
with pegs, side entry				MHOE 32.40	40
with pegs, top entry				MHVE 32.40	40
with levers and gasket, top entry				MHVE 32 G40	40

TECHNICAL DETAILS:

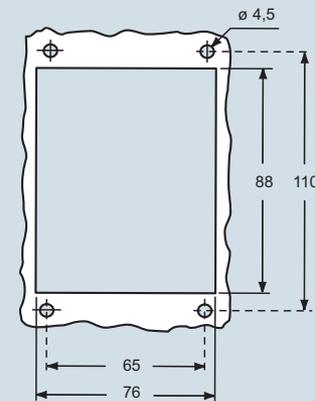
- 2.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- mechanical life: ≥ 500 cycles

dimensions in mm

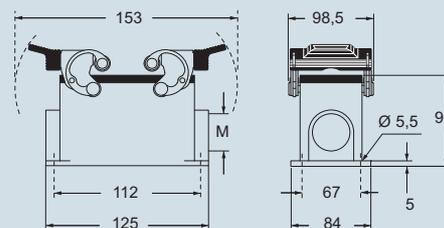
CHIE



panel cut-out for bulkhead mounting housing in mm

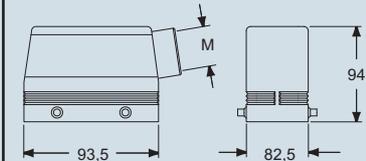


MHPE

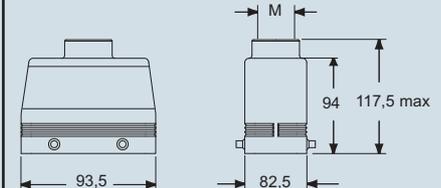


dimensions in mm

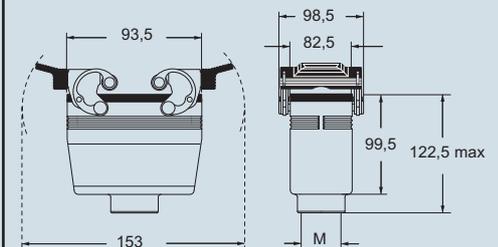
MAOE



MAVE



MAVE G



IP69 according to IEC/EN 60529

dimensions shown are not binding and may be changed without notice

inserts:	page:	
CD 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

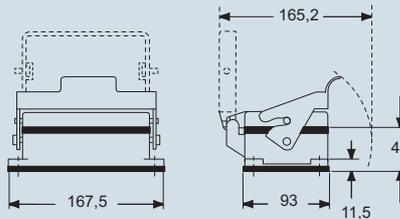
AVAILABLE 2017

description	part No.	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

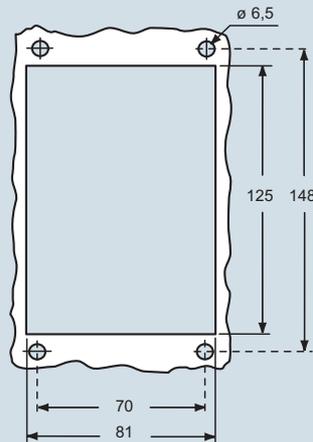
TECHNICAL DETAILS:
 - 2.000 hours in salt spray tests (EN ISO 9227: 2012)
 - temperature limits: -40 °C ... +125 °C
 - mechanical life: ≥ 500 cycles

dimensions in mm

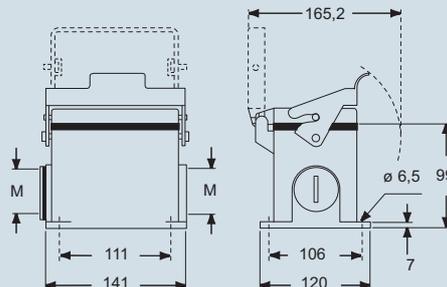
CHIE LS



panel cut-out for bulkhead mounting housings in mm

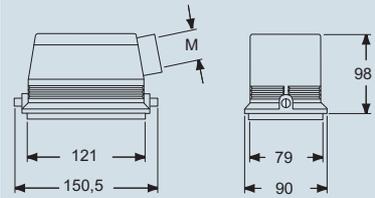


MHPE LS

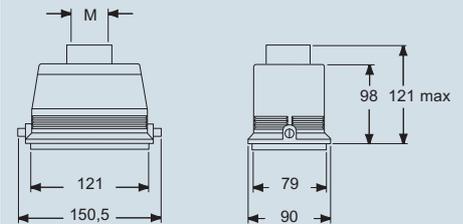


dimensions in mm

MHOE L



MHVE L

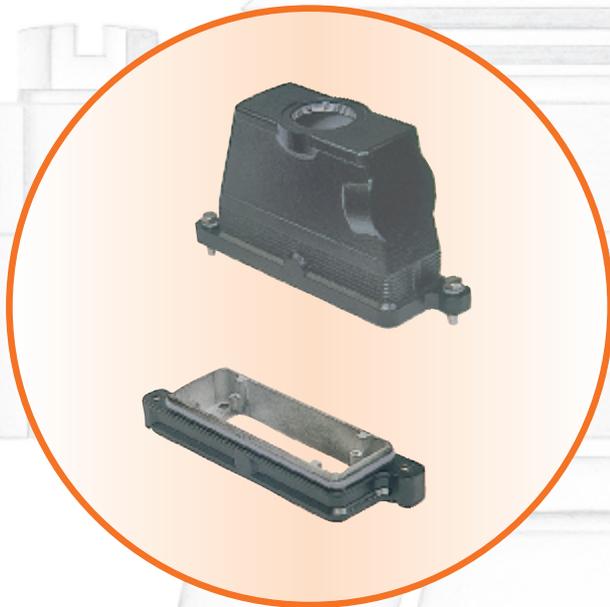


IP69 according to IEC/EN 60529

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

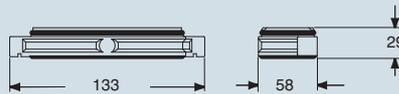
description	part No.	part No.	entry
size "44.27"	CGIE 06		
size "44.27"		MGPE 06.32	32

TECHNICAL DETAILS:

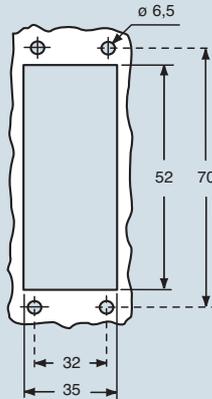
- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

dimensions in mm

CGIE

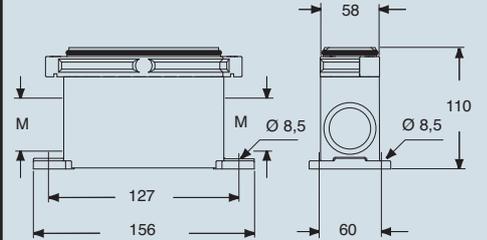


panel cut-out for bulkhead mounting housings in mm



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

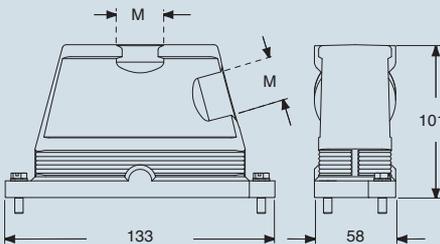
description	part No.	entry M	part No.
with side entry size "44.27" size "44.27"	MGOE 06.25 MGOE 06.32	25 32	
with top entry size "44.27" size "44.27" size "44.27"	MGVE 06.25 MGVE 06.32 MGVE 06.40	25 32 40	
size "44.27"			CGCE 06

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)

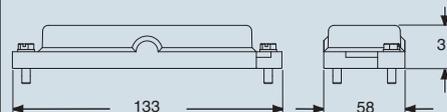
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



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:
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

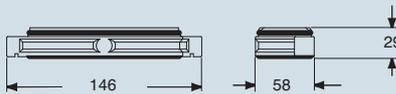
description	part No.	part No.	entry
size "57.27"	CGIE 10		
size "57.27"		MGPE 10.32	32

TECHNICAL DETAILS:

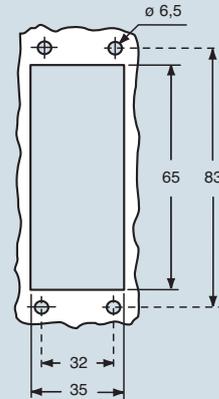
- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C
- on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

dimensions in mm

CGIE

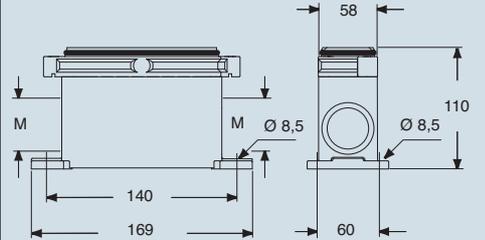


panel cut-out for bulkhead mounting housings in mm



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

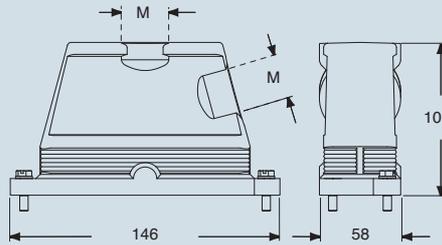
description	part No.	entry M	part No.
with side entry size "57.27" size "57.27"	MGOE 10.25 MGOE 10.32	25 32	
with top entry size "57.27" size "57.27" size "57.27"	MGVE 10.25 MGVE 10.32 MGVE 10.40	25 32 40	
size "57.27"			CGCE 10

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)

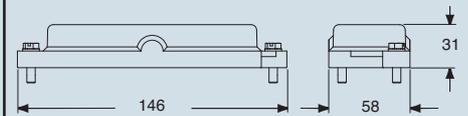
dimensions in mm

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)	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

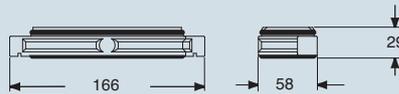
description	part No.	part No.	entry M
size "77.27"	CGIE 16		
size "77.27"		MGPE 16.40	40

TECHNICAL DETAILS:

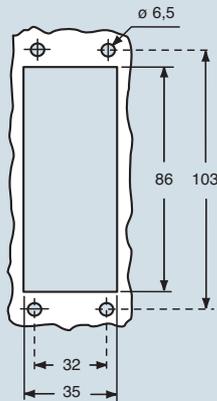
- 3.000 hours in salt spray tests (EN ISO 9227: 2012)
- temperature limits: -40 °C ... +125 °C on request -60 °C ... +180 °C with silicone gasket (>125 °C up to 180 °C with RY inserts)

dimensions in mm

CGIE

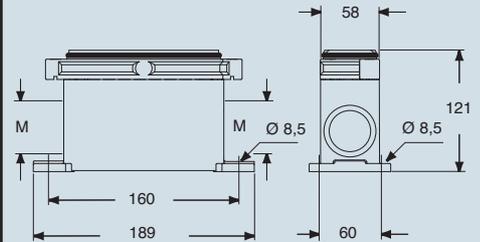


panel cut-out for bulkhead mounting housings in mm



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 *
CQEE 40 poles + ⊕	146 *
CMCE, CMSH 6+2 (aux)	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

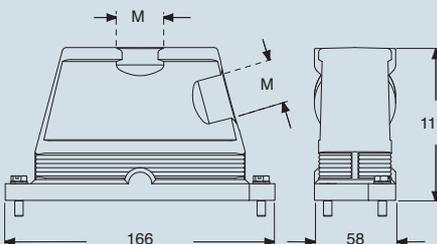
description	part No.	entry M	part No.
with side entry			
size "77.27"	MGOE 16.32	32	
size "77.27"	MGOE 16.40	40	
size "77.27"	MGOE 16.50	50	
with top entry			
size "77.27"	MGVE 16.25	25	
size "77.27"	MGVE 16.225	25x2	
size "77.27"	MGVE 16.32	32	
size "77.27"	MGVE 16.40	40	
size "77.27"	MGVE 16.50	50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

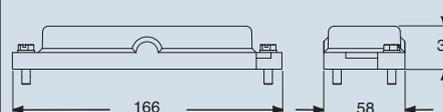
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice

inserts:

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 *

page:

hoods,
screw locking



3.000 hrs

AVAILABLE 2017

covers,
screw locking



3.000 hrs

AVAILABLE 2017

* refer to catalogue page CN.16

** refer to catalogue page News 2016

insert centre distance: 104 x 27 mm

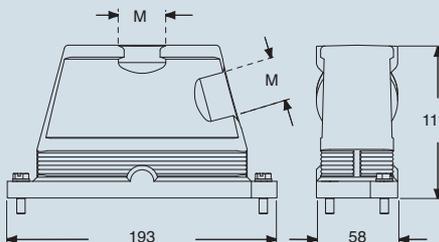
description	part No.	entry M	part No.
with side entry size "104.27"	MGOE 24.32	32	
size "104.27"	MGOE 24.40	40	
size "104.27"	MGOE 24.50	50	
with top entry size "104.27"	MGVE 24.325	25x3	
size "104.27"	MGVE 24.32	32	
size "104.27"	MGVE 24.232	32x2	
size "104.27"	MGVE 24.40	40	
size "104.27"	MGVE 24.240	40x2	
size "104.27"	MGVE 24.50	50	
size "104.27"			CGCE 24

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)

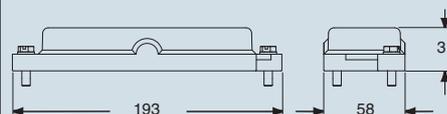
dimensions in mm

MGOE and MGVE



dimensions in mm

CGCE



dust protection cover

CGCP MB from page 497 catalogue CN.16

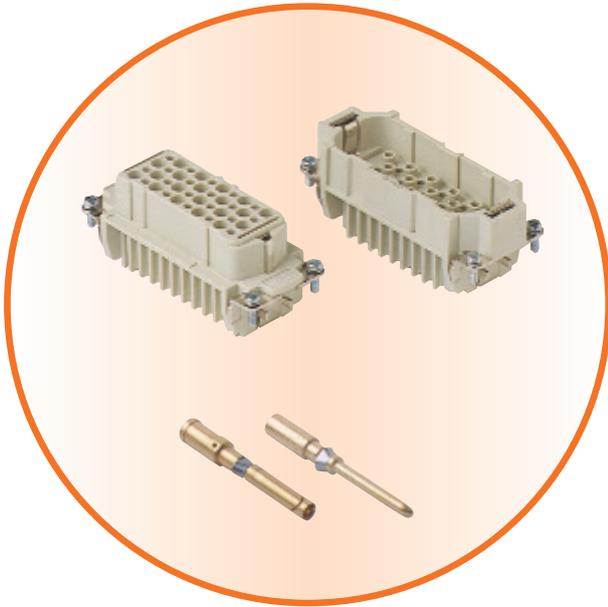


according to IEC/EN 60529

dimensions shown are not binding
and may be changed without notice

HNM series

Inserts and enclosures for **High Number of Matings**



10.000
MATINGS
WITH
HNM ENCLOSURES

5.000
MATINGS
WITH
STANDARD ENCLOSURES
SINGLE LEVER



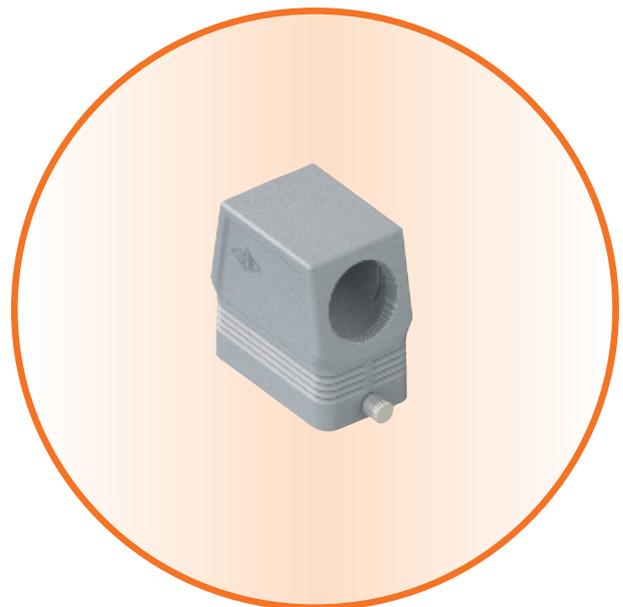
HNM series

Inserts and enclosures for **High Number of Matings**



**V-TYPE
LOCKING LEVER
WITH SPECIAL
ANTIFRICTION
TREATMENT**

**HOODS
WITH RIVETED
ANTIFRICTION PEGS
THAT FACILITATE
OPENING AND CLOSING**

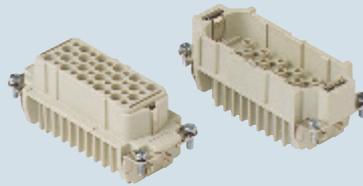


enclosures:
 size "77.27" page:
 HNM 94 - 95
 C-TYPE IP65/IP66, single lever ... 250 - 256 *
 V-TYPE IP65/IP66, single lever 282/292 - 295 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000
 matings
 with
 HNM enclosures

5.000
 matings with
 standard enclosures,
 single lever

10A crimp contacts
 gold plated



description

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

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

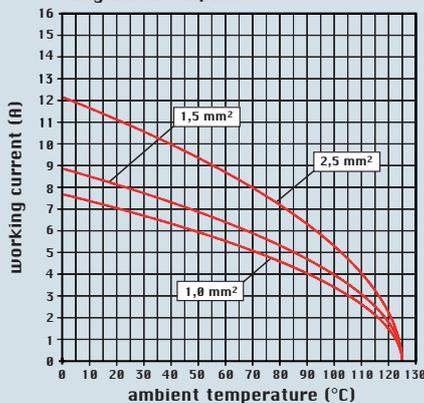
0,14-0,37 mm ²	AWG 26-22	identification No. 1
0,5 mm ²	AWG 20	identification No. 2
0,75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1,5 mm ²	AWG 16	identification No. 4
2,5 mm ²	AWG 14	identification No. 5

- characteristics according to EN 61984:

10A 250V 4kV 3
10A 230/400V 4kV 2

- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 52 catalogue CN.16
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

diagram RD 40 poles



part No.

RDF 40
RDM 40

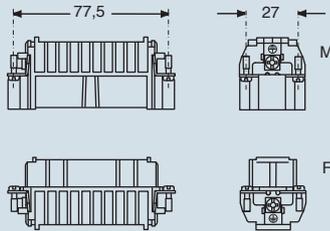
part No.

RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

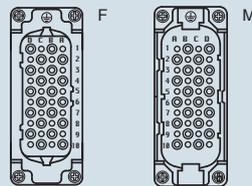
RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

gold plated

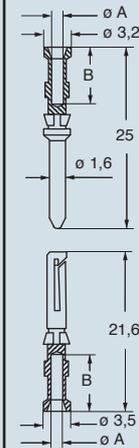
dimensions in mm



contacts side (front view)



dimensions in mm



RDF2D and RDM2D 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

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



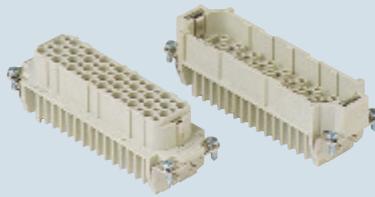
dimensions shown are not binding
 and may be changed without notice

enclosures:
 size "104.27" page:
 HNM 96 - 97
 C-TYPE IP65/IP66, single lever ... 258 - 266 *
 V-TYPE IP65/IP66, single lever 283/296 - 299 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000 matings with HNM enclosures

5.000 matings with standard enclosures, single lever

10A crimp contacts gold plated



description

part No.

part No.

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

RDF 64
RDM 64

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

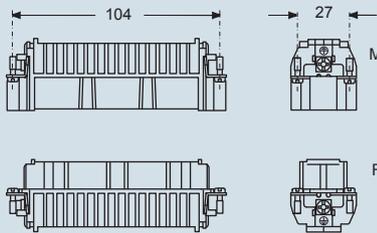
RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

gold plated

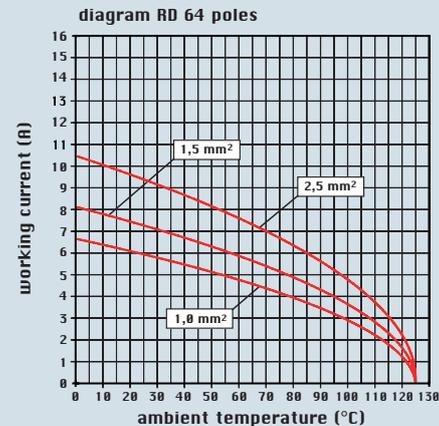
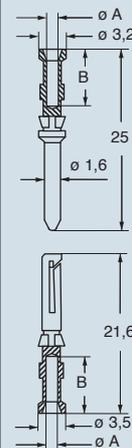
RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

- characteristics according to EN 61984:
10A 250V 4kV 3
10A 230/400V 4kV 2
- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 52 catalogue CN.16
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

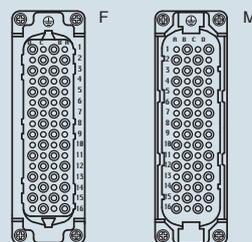
dimensions in mm



dimensions in mm



contacts side (front view)



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



RDF2D and RDM2D contacts

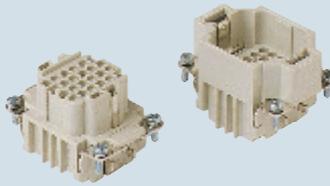
conductor section mm ²	conductor slot ø A (mm)	conductors stripping length B (mm)
0,14-0,37	0,9	8
0,5	1,1	8
0,75	1,3	8
1,0	1,45	8
1,5	1,8	8
2,5	2,2	6

dimensions shown are not binding and may be changed without notice

enclosures:
 size "44.27" page:
 HNM 90 - 91

inserts, crimp connections

10A crimp contacts
 gold plated



10.000
 matings
 with
 HNM enclosures

**AVAILABLE
 NOVEMBER 2017**

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

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

RDDF 24
RDDM 24

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

gold plated

RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

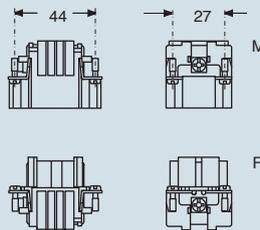
10A male contacts

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

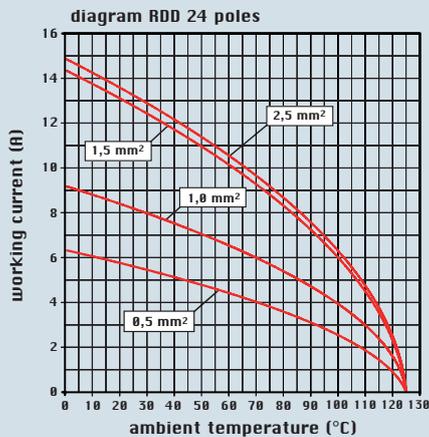
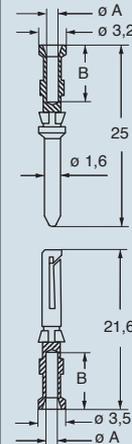
RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

- characteristics according to EN 61984:
- 10A 250V 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: ≥ 10.000 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for applications requiring higher voltages, please see the special voltage application section on page 66 catalogue CN.16
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

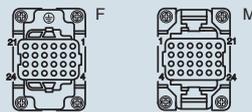
dimensions in mm



dimensions in mm



contacts side (front view)



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



RDF2D and RDM2D contacts

conductor section mm ²	conductor slot $\varnothing A$ (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

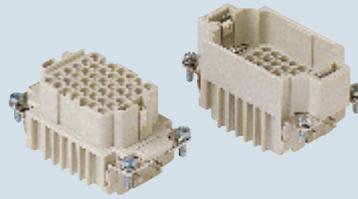
- PCBs interface, see article CIF 2.4

dimensions shown are not binding
 and may be changed without notice

enclosures:
 size "57.27" page:
 HNM 92 - 93
 C-TYPE IP65/IP66, single lever ... 244 - 249 *
 V-TYPE IP65/IP66, single lever 281/288 - 291 *

inserts, crimp connections

10A crimp contacts
 gold plated



10.000
 matings
 with
 HNM enclosures

5.000
 matings with
 standard enclosures,
 single lever

**AVAILABLE
 NOVEMBER 2017**

description

part No.

part No.

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

RDDF 42
RDDM 42

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

RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

gold plated

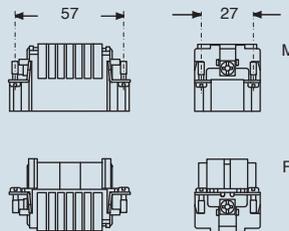
RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

- characteristics according to EN 61984:

10A 250V 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: ≥ 10.000 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for applications requiring higher voltages, please see the special voltage application section on page 66 catalogue CN.16
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

dimensions in mm



dimensions in mm

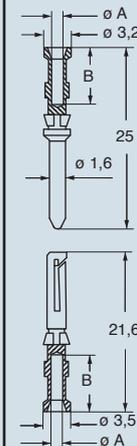
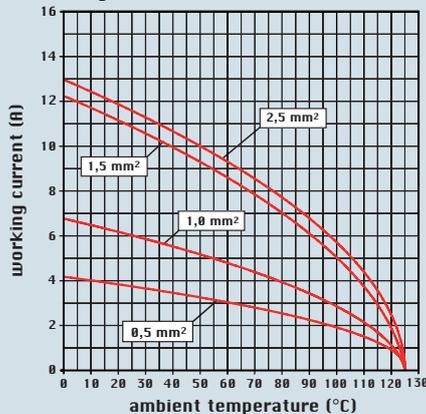
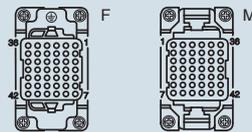


diagram RDD 42 poles



contacts side (front view)



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



RDF2D and RDM2D contacts

conductor section mm ²	conductor slot $\varnothing A$ (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

- PCBs interface, see article CIF 2.4

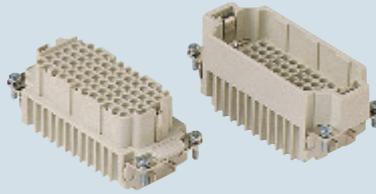
dimensions shown are not binding
 and may be changed without notice

enclosures:
 size "77.27" page:
 HNM 94 - 95
 C-TYPE IP65/IP66, single lever ... 250 - 256 *
 V-TYPE IP65/IP66, single lever 282/292 - 295 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000
 matings
 with
 HNM enclosures

5.000
 matings with
 standard enclosures,
 single lever

10A crimp contacts
 gold plated



description

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

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

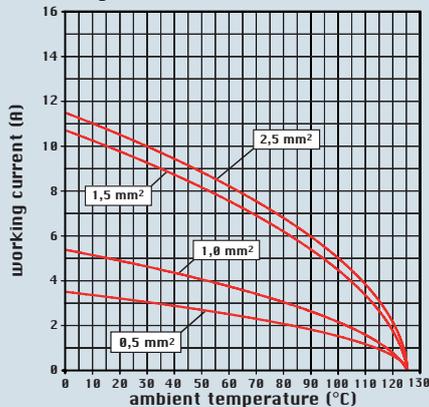
0,14-0,37 mm ²	AWG 26-22	identification No. 1
0,5 mm ²	AWG 20	identification No. 2
0,75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1,5 mm ²	AWG 16	identification No. 4
2,5 mm ²	AWG 14	identification No. 5

- characteristics according to EN 61984:

10A 250V 4kV 2

- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 66 catalogue CN.16
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

diagram RDD 72 poles



- PCBs interface, see article CIF 2.4

dimensions shown are not binding
 and may be changed without notice

part No.

RDDF 72
 RDDM 72

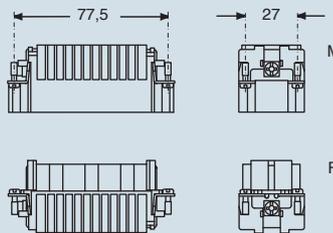
part No.

RDF2D 0.3
 RDF2D 0.5
 RDF2D 0.7
 RDF2D 1.0
 RDF2D 1.5
 RDF2D 2.5

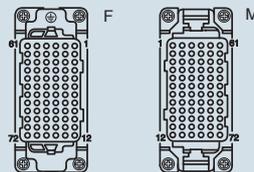
RDM2D 0.3
 RDM2D 0.5
 RDM2D 0.7
 RDM2D 1.0
 RDM2D 1.5
 RDM2D 2.5

gold plated

dimensions in mm



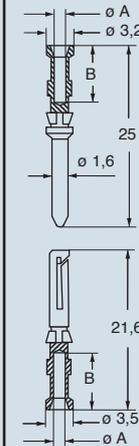
contacts side (front view)



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



dimensions in mm



RDF2D and RDM2D contacts

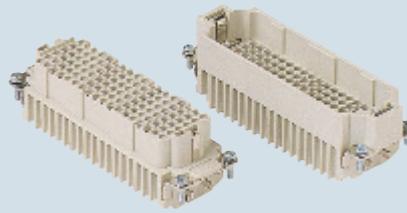
conductor section mm ²	conductor slot ø A (mm)	conductors stripping length B (mm)
0,14-0,37	0,9	8
0,5	1,1	8
0,75	1,3	8
1,0	1,45	8
1,5	1,8	8
2,5	2,2	6

enclosures:
 size "104.27" page:
 HNM 96 - 97
 C-TYPE IP65/IP66, single lever ... 258 - 266 *
 V-TYPE IP65/IP66, single lever 283/296 - 299 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000 matings with HNM enclosures
5.000 matings with standard enclosures, single lever

10A crimp contacts gold plated



description

part No.

part No.

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

RDDF 108
RDDM 108

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

RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

gold plated

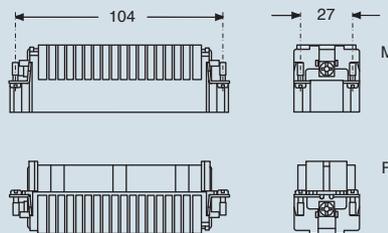
RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

- characteristics according to EN 61984:

10A 250V 4kV 2

- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 66 catalogue CN.16
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

dimensions in mm



dimensions in mm

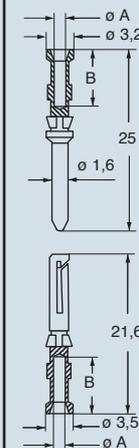
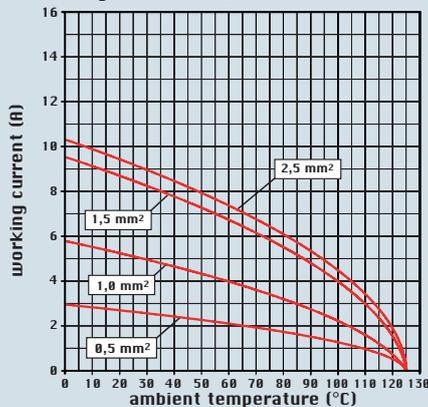
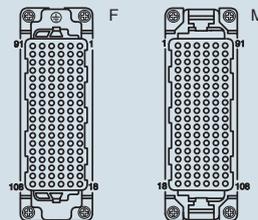


diagram RDD 108 poles



contacts side (front view)



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



RDF2D and RDM2D 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

- PCBs interface, see article CIF 2.4

dimensions shown are not binding and may be changed without notice

enclosures:
 size "44.27" page:
 HNM 90 - 91

inserts, crimp connections

16A crimp contacts
 gold plated



10.000
 matings
 with
 HNM enclosures

**AVAILABLE
 NOVEMBER 2017**

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

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

RCEF 06
RCEM 06

16A female contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

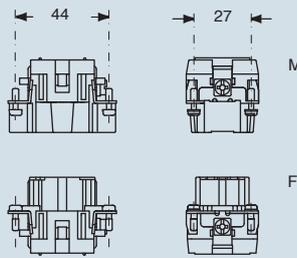
- RCF2D 0.3
- RCF2D 0.5
- RCF2D 0.7
- RCF2D 1.0
- RCF2D 1.5
- RCF2D 2.5
- RCF2D 3.0
- RCF2D 4.0

gold plated

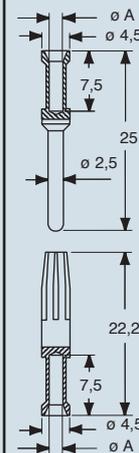
- RCM2D 0.3
- RCM2D 0.5
- RCM2D 0.7
- RCM2D 1.0
- RCM2D 1.5
- RCM2D 2.5
- RCM2D 3.0
- RCM2D 4.0

- characteristics according to EN 61984:
- 16A 500V 6kV 3**
- 16A 400/690V 6kV 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: ≥ 10.000 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

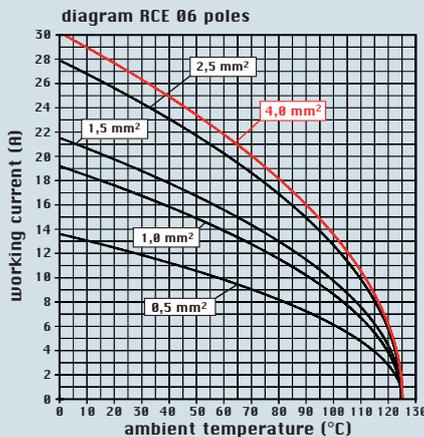
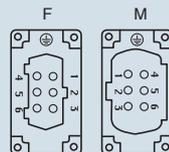
dimensions in mm



dimensions in mm



contacts side (front view)



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

dimensions shown are not binding
 and may be changed without notice

enclosures:
 size "57.27" page:
 HNM 92 - 93
 C-TYPE IP65/IP66, single lever ... 244 - 249 *
 V-TYPE IP65/IP66, single lever 281/288 - 291 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000
 matings
 with
 HNM enclosures

5.000
 matings with
 standard enclosures,
 single lever

16A crimp contacts
 gold plated



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

part No.
RCEF 10
RCEM 10

part No.

16A female contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

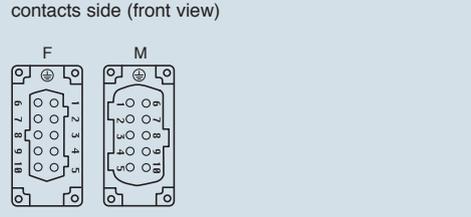
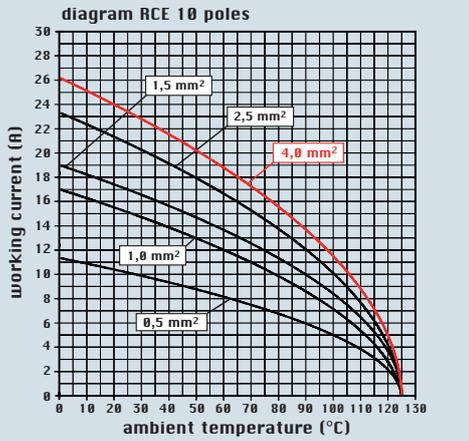
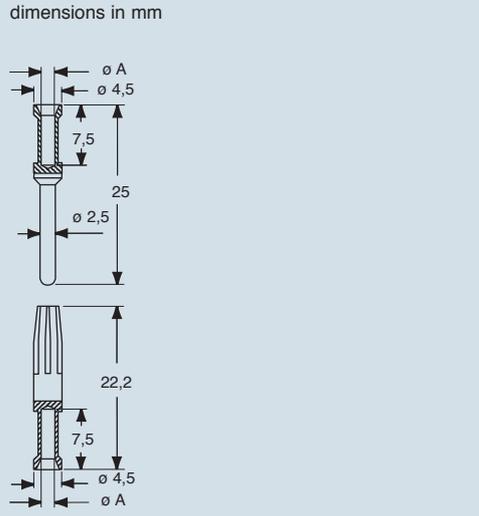
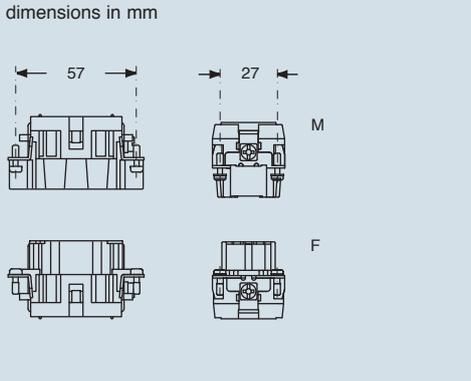
16A male contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

- RCF2D 0.3
 - RCF2D 0.5
 - RCF2D 0.7
 - RCF2D 1.0
 - RCF2D 1.5
 - RCF2D 2.5
 - RCF2D 3.0
 - RCF2D 4.0
-
- RCM2D 0.3
 - RCM2D 0.5
 - RCM2D 0.7
 - RCM2D 1.0
 - RCM2D 1.5
 - RCM2D 2.5
 - RCM2D 3.0
 - RCM2D 4.0

gold plated

- characteristics according to EN 61984:
- 16A 500V 6kV 3**
- 16A 400/690V 6kV 2**
- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 1 mΩ
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

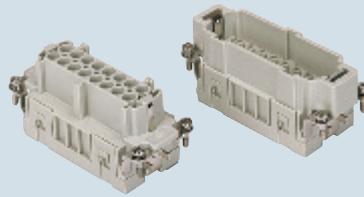
dimensions shown are not binding and may be changed without notice

enclosures:
 size "77.27" page:
 HNM 94 - 95
 C-TYPE IP65/IP66, single lever ... 250 - 256 *
 V-TYPE IP65/IP66, single lever 282/292 - 295 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000
 matings
 with
 HNM enclosures

5.000
 matings with
 standard enclosures,
 single lever

16A crimp contacts
 gold plated



description

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

16A female contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

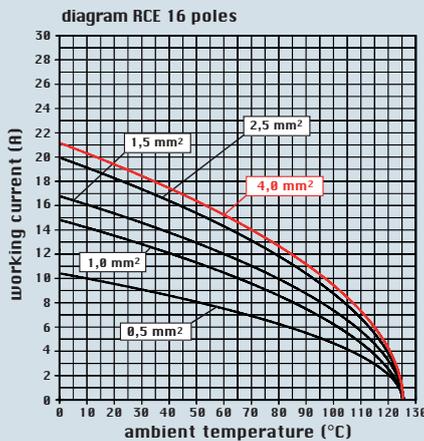
16A male contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

- characteristics according to EN 61984:

16A 500V 6kV 3
16A 400/690V 6kV 2

- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 1 mΩ
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts



part No.

RCEF 16
 RCEM 16

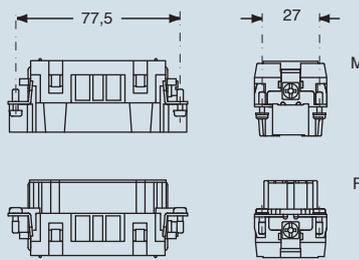
part No.

RCF2D 0.3
 RCF2D 0.5
 RCF2D 0.7
 RCF2D 1.0
 RCF2D 1.5
 RCF2D 2.5
 RCF2D 3.0
 RCF2D 4.0

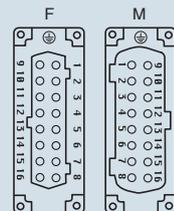
RCM2D 0.3
 RCM2D 0.5
 RCM2D 0.7
 RCM2D 1.0
 RCM2D 1.5
 RCM2D 2.5
 RCM2D 3.0
 RCM2D 4.0

gold plated

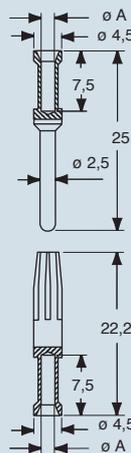
dimensions in mm



contacts side (front view)



dimensions in mm



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

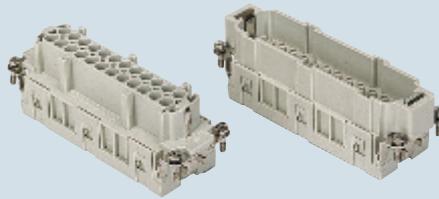
dimensions shown are not binding
 and may be changed without notice

enclosures:
 size "104.27" page:
 HNM 96 - 97
 C-TYPE IP65/IP66, single lever ... 258 - 266 *
 V-TYPE IP65/IP66, single lever 283/296 - 299 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000 matings with HNM enclosures
5.000 matings with standard enclosures, single lever

16A crimp contacts gold plated



description

part No.

part No.

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

RCEF 24
 RCEM 24

16A female contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

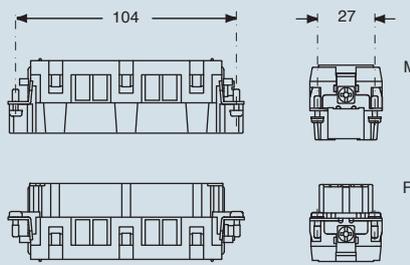
- RCF2D 0.3
- RCF2D 0.5
- RCF2D 0.7
- RCF2D 1.0
- RCF2D 1.5
- RCF2D 2.5
- RCF2D 3.0
- RCF2D 4.0

gold plated

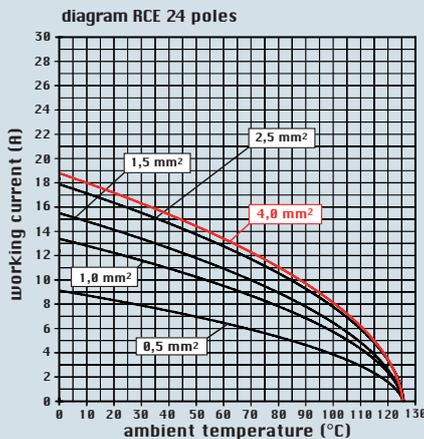
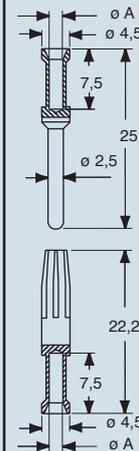
- RCM2D 0.3
- RCM2D 0.5
- RCM2D 0.7
- RCM2D 1.0
- RCM2D 1.5
- RCM2D 2.5
- RCM2D 3.0
- RCM2D 4.0

- characteristics according to EN 61984:
- 16A 500V 6kV 3**
- 16A 400/690V 6kV 2**
- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 1 mΩ
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

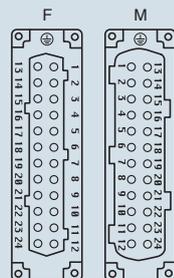
dimensions in mm



dimensions in mm



contacts side (front view)



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

dimensions shown are not binding and may be changed without notice

enclosures:

size "77.27"

page:

HNM 94 - 95

C-TYPE IP65/IP66, single lever ... 250 - 256 *

V-TYPE IP65/IP66, single lever 282/292 - 295 *

* refer to catalogue page CN.16

**AVAILABLE
NOVEMBER 2017**

inserts, crimp connections



10.000
matings
with
HNM enclosures

5.000
matings with
standard enclosures,
single lever

16A crimp contacts
gold plated



description

part No.

part No.

without contacts (to be ordered separately)

female inserts for female contacts

male inserts for male contacts

RQEEF 40
RQEEM 40

16A female contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

RCF2D 0.3
RCF2D 0.5
RCF2D 0.7
RCF2D 1.0
RCF2D 1.5
RCF2D 2.5
RCF2D 3.0
RCF2D 4.0

gold plated

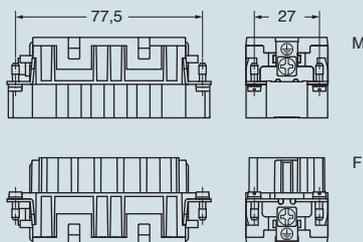
RCM2D 0.3
RCM2D 0.5
RCM2D 0.7
RCM2D 1.0
RCM2D 1.5
RCM2D 2.5
RCM2D 3.0
RCM2D 4.0

- characteristics according to EN 61984:

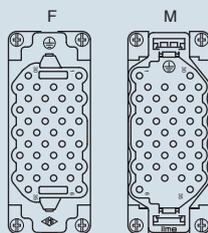
16A 500V 6kV 3

- 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: ≥ 10.000 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

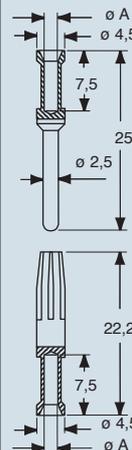
dimensions in mm



contacts side (front view)

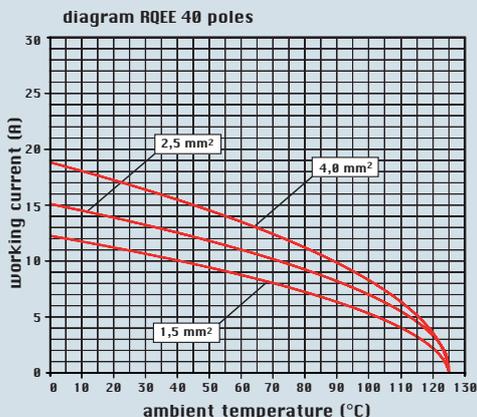


dimensions in mm



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot $\varnothing A$ (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5



coding pins **CR CPQ**, see page 491 catalogue CN.16



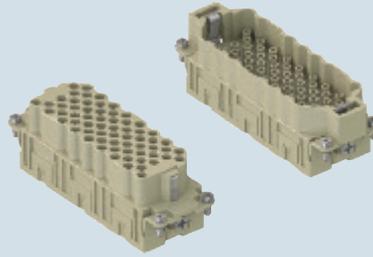
dimensions shown are not binding
and may be changed without notice

enclosures:
 size "104.27" page:
 HNM 96 - 97
 C-TYPE IP65/IP66, single lever ... 258 - 266 *
 V-TYPE IP65/IP66, single lever 283/296 - 299 *

* refer to catalogue page CN.16

**AVAILABLE
 NOVEMBER 2017**

inserts, crimp connections



10.000 matings with HNM enclosures
5.000 matings with standard enclosures, single lever

16A crimp contacts gold plated



description

part No.

part No.

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

RQEEF 64
 RQEEM 64

16A female contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

- RCF2D 0.3
- RCF2D 0.5
- RCF2D 0.7
- RCF2D 1.0
- RCF2D 1.5
- RCF2D 2.5
- RCF2D 3.0
- RCF2D 4.0

gold plated

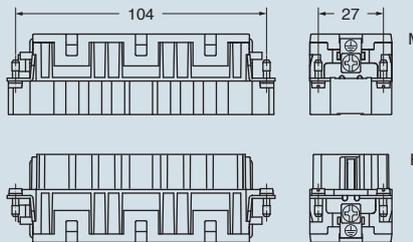
- RCM2D 0.3
- RCM2D 0.5
- RCM2D 0.7
- RCM2D 1.0
- RCM2D 1.5
- RCM2D 2.5
- RCM2D 3.0
- RCM2D 4.0

- characteristics according to EN 61984:

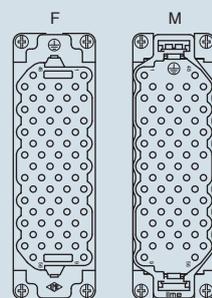
16A 500V 6kV 3

- insulation resistance: ≥ 10 GΩ
- ambient temperature limits: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 10.000 cycles
- contact resistance: ≤ 1 mΩ
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts

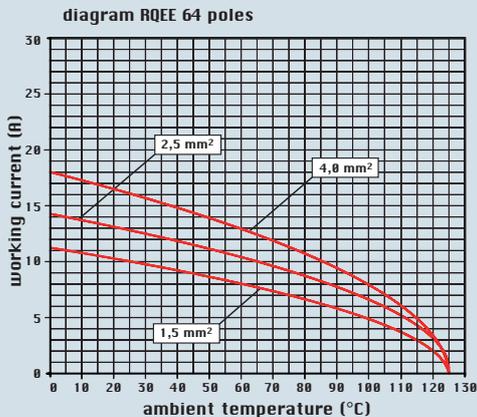
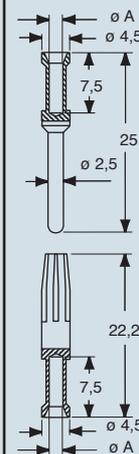
dimensions in mm



contacts side (front view)



dimensions in mm



coding pins **CR CPQ**, see page 491 catalogue CN.16



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

dimensions shown are not binding and may be changed without notice



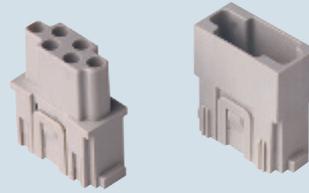
The modular inserts must be installed in suitable frames which in turn are installed in traditional housings or COB panel support.

frames for modular units page: 87

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

modular units,
crimp connections



10.000
matings with
HNM frames
and
HNM enclosures

5.000
matings with
HNM frames and
standard enclosures,
single lever

16A crimp contacts
gold plated



**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 06 CF CX 06 CM	

16A female contacts		
0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves
16A male contacts		
0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

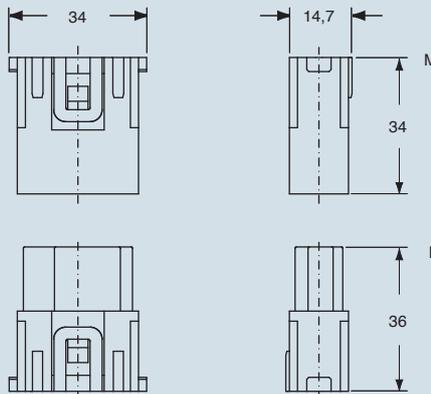
- RCF2D 0.3
- RCF2D 0.5
- RCF2D 0.7
- RCF2D 1.0
- RCF2D 1.5
- RCF2D 2.5
- RCF2D 3.0
- RCF2D 4.0

gold plated

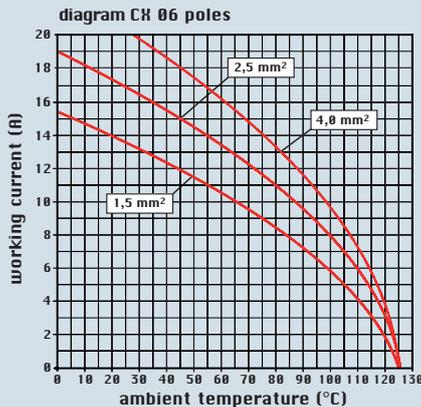
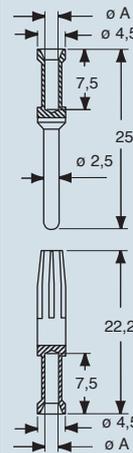
- RCM2D 0.3
- RCM2D 0.5
- RCM2D 0.7
- RCM2D 1.0
- RCM2D 1.5
- RCM2D 2.5
- RCM2D 3.0
- RCM2D 4.0

- characteristics according to EN 61984:
- 16A 500V 6kV 3**
- 16A 400/690V 6kV 2**
- UL, CSA, CCC *, GL, EAC certified
- * CQC certification being applied for (inserts only)
- rated voltage according to UL/CSA: 600V
- 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: ≥ 10.000 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts, for more information see page 565 catalogue CN.16

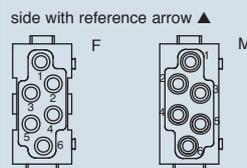
dimensions in mm



dimensions in mm



contacts side (front view)



- 1 frame slot

RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

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: 87

modular units,
crimp connections

16A crimp contacts
gold plated



10.000
matings with
HNM frames
and
HNM enclosures

5.000
matings with
HNM frames and
standard enclosures,
single lever



**AVAILABLE
NOVEMBER 2017**

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

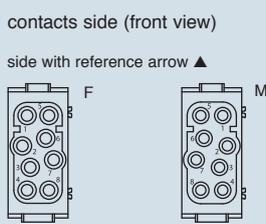
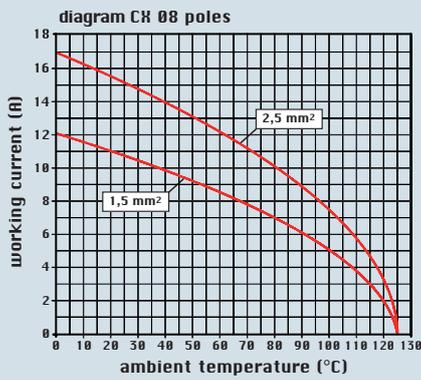
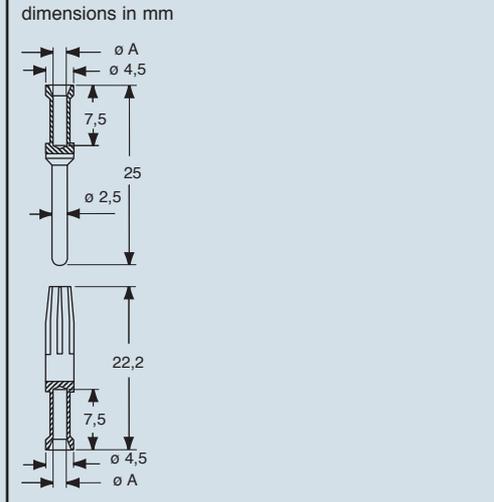
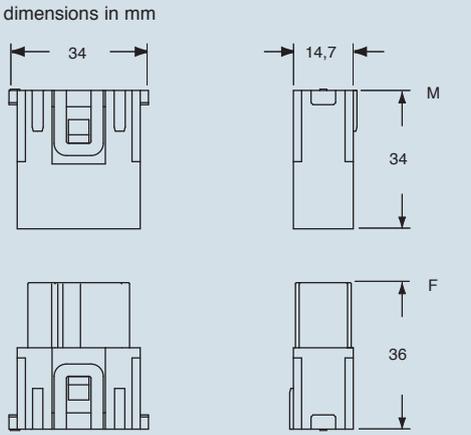
without contacts (to be ordered separately)
- female inserts for female contacts
- male inserts for male contacts

CX 08 CF
CX 08 CM

16A female contacts		
0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves
16A male contacts		
0,14-0,37 mm ²	AWG 26-22	one groove
0,5 mm ²	AWG 20	with no grooves
0,75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1,5 mm ²	AWG 16	two grooves
2,5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

RCF2D 0.3	gold plated
RCF2D 0.5	
RCF2D 0.7	
RCF2D 1.0	
RCF2D 1.5	
RCF2D 2.5	
RCF2D 3.0	
RCF2D 4.0	
RCM2D 0.3	
RCM2D 0.5	
RCM2D 0.7	
RCM2D 1.0	
RCM2D 1.5	
RCM2D 2.5	
RCM2D 3.0	
RCM2D 4.0	

- characteristics according to EN 61984:
16A 500V 6kV 3
16A 400/690V 6kV 2
- UL, CSA, CCC *, GL, EAC certified
- * CQC certification being applied for (inserts only)
- rated voltage according to UL/CSA: 600V
- 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: ≥ 10.000 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts, for more information see page 565 catalogue CN.16



- 1 frame slot

RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5

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: 87

modular units,
crimp connections



10.000 matings with HNM frames and HNM enclosures

5.000 matings with HNM frames and standard enclosures, single lever

16A crimp contacts
gold plated

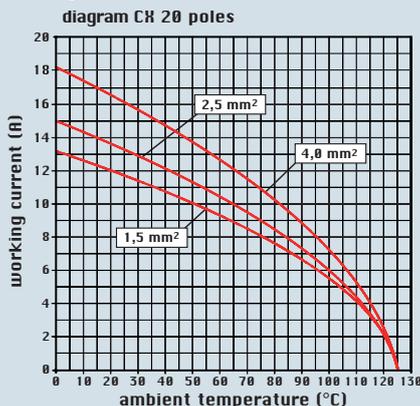


AVAILABLE
NOVEMBER 2017

description	part No.	part No.																																																
without contacts (to be ordered separately) - female inserts for female contacts * - male inserts for male contacts *	CX 20 CF CX 20 CM																																																	
<p>16A female contacts</p> <table border="1"> <tr><td>0,14-0,37 mm²</td><td>AWG 26-22</td><td>one groove</td></tr> <tr><td>0,5 mm²</td><td>AWG 20</td><td>with no grooves</td></tr> <tr><td>0,75 mm²</td><td>AWG 18</td><td>one groove (back side)</td></tr> <tr><td>1 mm²</td><td>AWG 18</td><td>one groove</td></tr> <tr><td>1,5 mm²</td><td>AWG 16</td><td>two grooves</td></tr> <tr><td>2,5 mm²</td><td>AWG 14</td><td>three grooves</td></tr> <tr><td>3 mm²</td><td>AWG 12</td><td>one wide groove</td></tr> <tr><td>4 mm²</td><td>AWG 12</td><td>with no grooves</td></tr> </table> <p>16A male contacts</p> <table border="1"> <tr><td>0,14-0,37 mm²</td><td>AWG 26-22</td><td>one groove</td></tr> <tr><td>0,5 mm²</td><td>AWG 20</td><td>with no grooves</td></tr> <tr><td>0,75 mm²</td><td>AWG 18</td><td>one groove (back side)</td></tr> <tr><td>1 mm²</td><td>AWG 18</td><td>one groove</td></tr> <tr><td>1,5 mm²</td><td>AWG 16</td><td>two grooves</td></tr> <tr><td>2,5 mm²</td><td>AWG 14</td><td>three grooves</td></tr> <tr><td>3 mm²</td><td>AWG 12</td><td>one wide groove</td></tr> <tr><td>4 mm²</td><td>AWG 12</td><td>with no grooves</td></tr> </table>	0,14-0,37 mm ²	AWG 26-22	one groove	0,5 mm ²	AWG 20	with no grooves	0,75 mm ²	AWG 18	one groove (back side)	1 mm ²	AWG 18	one groove	1,5 mm ²	AWG 16	two grooves	2,5 mm ²	AWG 14	three grooves	3 mm ²	AWG 12	one wide groove	4 mm ²	AWG 12	with no grooves	0,14-0,37 mm ²	AWG 26-22	one groove	0,5 mm ²	AWG 20	with no grooves	0,75 mm ²	AWG 18	one groove (back side)	1 mm ²	AWG 18	one groove	1,5 mm ²	AWG 16	two grooves	2,5 mm ²	AWG 14	three grooves	3 mm ²	AWG 12	one wide groove	4 mm ²	AWG 12	with no grooves		<p>RCF2D 0.3 RCF2D 0.5 RCF2D 0.7 RCF2D 1.0 RCF2D 1.5 RCF2D 2.5 RCF2D 3.0 RCF2D 4.0</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">gold plated</p> <p>RCM2D 0.3 RCM2D 0.5 RCM2D 0.7 RCM2D 1.0 RCM2D 1.5 RCM2D 2.5 RCM2D 3.0 RCM2D 4.0</p>
0,14-0,37 mm ²	AWG 26-22	one groove																																																
0,5 mm ²	AWG 20	with no grooves																																																
0,75 mm ²	AWG 18	one groove (back side)																																																
1 mm ²	AWG 18	one groove																																																
1,5 mm ²	AWG 16	two grooves																																																
2,5 mm ²	AWG 14	three grooves																																																
3 mm ²	AWG 12	one wide groove																																																
4 mm ²	AWG 12	with no grooves																																																
0,14-0,37 mm ²	AWG 26-22	one groove																																																
0,5 mm ²	AWG 20	with no grooves																																																
0,75 mm ²	AWG 18	one groove (back side)																																																
1 mm ²	AWG 18	one groove																																																
1,5 mm ²	AWG 16	two grooves																																																
2,5 mm ²	AWG 14	three grooves																																																
3 mm ²	AWG 12	one wide groove																																																
4 mm ²	AWG 12	with no grooves																																																

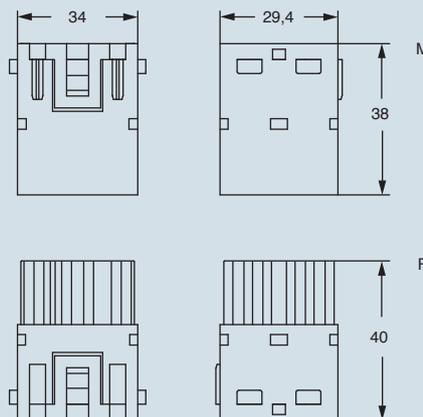
* on request, version with 3 fastened CX 20 CF/CM inserts with poles numbered from 1 – 60
references: **CX 60 CF**, **CX 60 CM**

- characteristics according to EN 61984:
16A 500V 6kV 3
16A 830V 8kV 2
- cUL (UL for USA and Canada), CSA, EAC certified (inserts only)
- rated voltage according to UL/CSA: 600V
- 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: ≥ 10.000 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for contact crimping instructions, please see the crimping tool section (16A contacts, RCF2D and RCM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts, for more information see page 565 catalogue CN.16



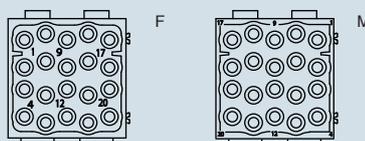
dimensions shown are not binding and may be changed without notice

dimensions in mm



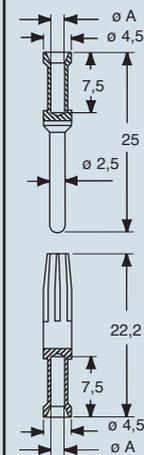
contacts side (front view)

side with reference arrow ▲



- 2 frame slots

dimensions in mm



RCF2D and RCM2D contacts

conductor section mm ²	conductor slot ø A (mm)	conductors stripping length mm
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5



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: 87

modular units,
crimp connections

10A crimp contacts
gold plated



10.000
matings with
HNM frames
and
HNM enclosures

5.000
matings with
HNM frames and
standard enclosures,
single lever



**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 12 DF
CX 12 DM

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

RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

gold plated

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

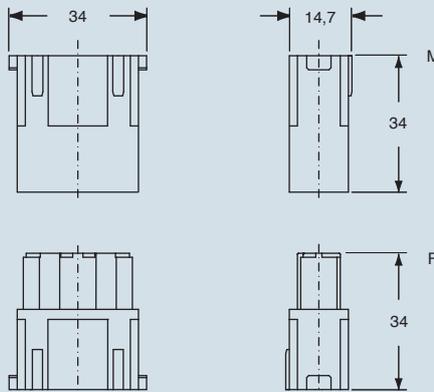
RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

- characteristics according to EN 61984:

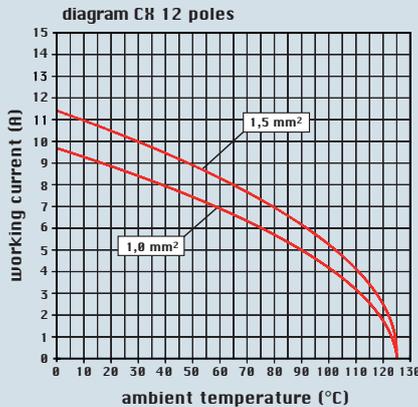
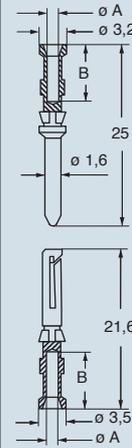
10A 160V 2,5kV 3
10A 250V 4kV 2

- UL, CSA, CCC *, GL, EAC certified
- * CQC certification being applied for (inserts only)
- rated voltage according to UL/CSA: 600V
- 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: ≥ 10.000 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- PCBs interface, see article CIF 2.4
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts, for more information see page 566 catalogue CN.16

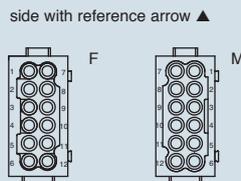
dimensions in mm



dimensions in mm



contacts side (front view)



- 1 frame slot

RDF2D and RDM2D contacts

conductor section mm ²	conductor slot $\varnothing A$ (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

dimensions shown are not binding
and may be changed without notice

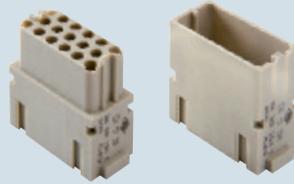


The modular inserts must be installed in suitable frames which are then mounted in traditional housings or COB panel support.

frames for modular units page: 87

modular units,
crimp connections

10A crimp contacts
gold plated



10.000
matings with
HNM frames
and
HNM enclosures

5.000
matings with
HNM frames and
standard enclosures,
single lever



**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 17 DF
CX 17 DM

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

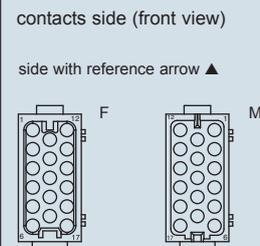
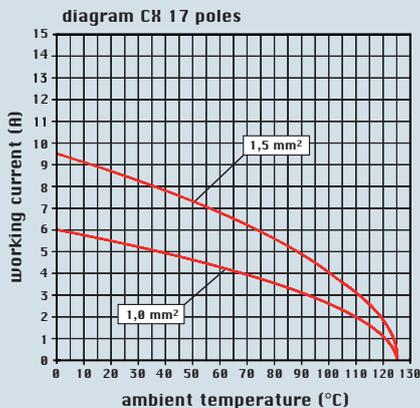
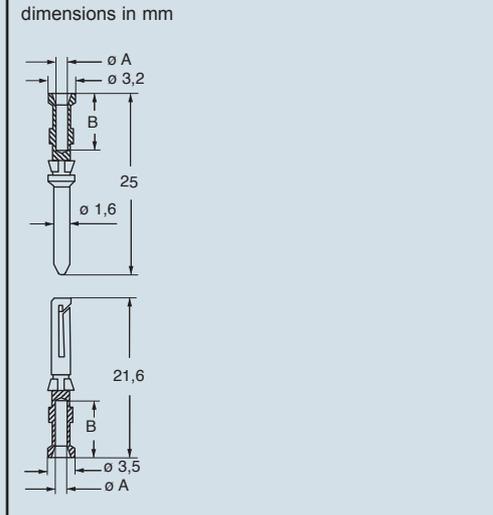
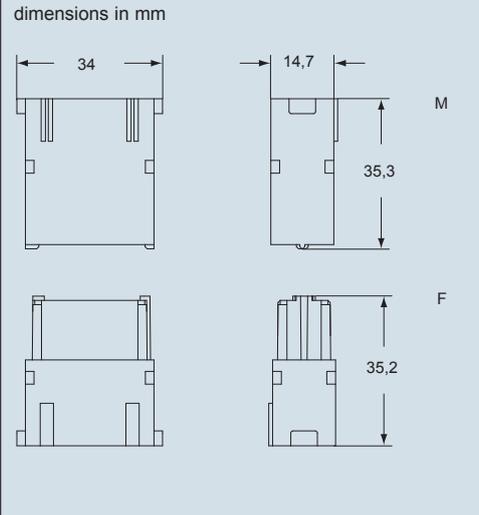
0,14-0,37 mm ²	AWG 26-22	identification No. 1
0,5 mm ²	AWG 20	identification No. 2
0,75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1,5 mm ²	AWG 16	identification No. 4
2,5 mm ²	AWG 14	identification No. 5

RDF2D 0.3
RDF2D 0.5
RDF2D 0.7
RDF2D 1.0
RDF2D 1.5
RDF2D 2.5

gold plated

RDM2D 0.3
RDM2D 0.5
RDM2D 0.7
RDM2D 1.0
RDM2D 1.5
RDM2D 2.5

- characteristics according to EN 61984:
10A 160V 2,5kV 3
10A 250V 4kV 2
- cUL (UL for USA and Canada), CCC *, EAC certified
* CQC certification being applied for (inserts only)
- rated voltage according to UL/CSA: 600V
- 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: ≥ 10.000 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for contact crimping instructions, please see the crimping tool section (10A contacts, RDF2D and RDM2D series) on pages 534, 538, 544, 546, 548 catalogue CN.16
- for maximum current load, see the following load curves inserts, for more information see page 566



- 1 frame slot

RDF2D and RDM2D 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

dimensions shown are not binding
and may be changed without notice

enclosures:
size "104.27"

page:

HNM 96 - 97
C-TYPE IP65/IP66, single lever ... 244 - 270 *
V-TYPE IP65/IP66, single lever 288 - 299 *

* refer to catalogue page CN.16

Housings size "104.27":
C-TYPE and V-TYPE standard version cannot be used.

frames for modular units with gold PE contacts,
lock-in tabs



10.000
matings with
HNM frames
and
HNM enclosures

5.000
matings with
HNM frames and
standard enclosures,
single lever

**AVAILABLE
NOVEMBER 2017**

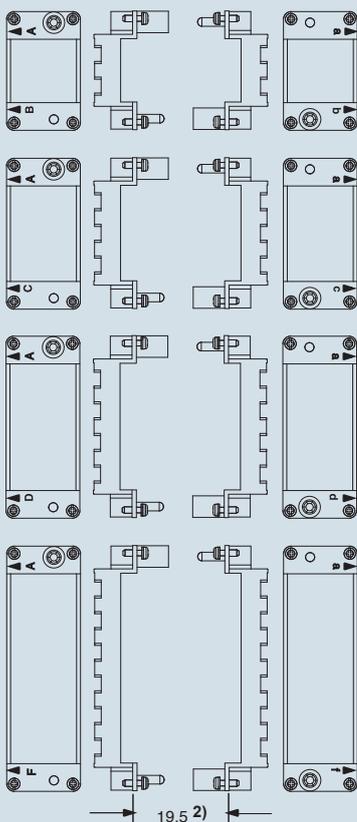
description	part No.	part No.	
-------------	----------	----------	--

frames for modular units (module lock-in tabs included) - for 2 modular units - for 3 modular units - for 4 modular units - for 6 modular units	type for hoods RX 02 TM RX 03 TM RX 04 TM RX 06 TM	type for housings RX 02 TF RX 03 TF RX 04 TF RX 06 TF	for housings size 44.27 57.27 77.27 and 77.62 104.27 and 104.62
--	--	---	---

lock-in tabs for modular units (6 units) dividable	CX CFM
---	--------

polarisation of frames with relative identification letters
and couplings

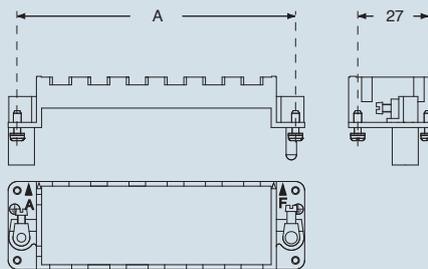
frame for hoods 1) frames for housings 1)



- 1) the frames can be used either in hoods or housings, for a correct coupling please use both frame types (one with upper-case letters and the other with lower-case letters)
- 2) distance for electric and fibre optic contacts: max 21 mm
distance for pneumatic contacts: max 20,5 mm

dimensions shown are not binding
and may be changed without notice

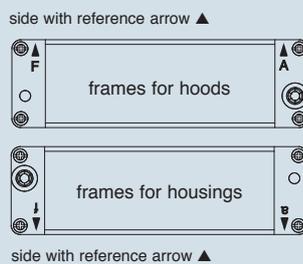
dimensions in mm



part No.	A (mm)	for housings size
RX 02 TM / TF	44	44,27
RX 03 TM / TF	57	57,27
RX 04 TM / TF	77,5	77,27 and 77,62
RX 06 TM / TF	104	104,27 and 104,62

- large earth terminal for cables from 4-6 mm², AWG 12-10
- small earth terminal for cables from 1-2,5 mm², AWG 18-14

position of modules (contact side view)



When two or more identical connectors of the MIXO series are used, coded pins are used prevent incorrect coupling (CR...CX series).

CX CFM



- die-cast zinc alloy frames
- with VDE ground contacts
- possibility of mounting female and male modular units on the same frame
- frames supplied with lock-in tab to attach units
- polarisation on frames
- code pins CR...CX

Warning

the module support frames are marked:
- with upper-case letters **A-B, A-C, A-D** and **A-F** (for use in hoods)
- with lower-case letters **a-b, a-c, a-d** and **a-f** (for use in housings)
Positioning the modules in the frames according to the respective letters is ensuring the specular assembly of modules, for which the hood will be coupled correctly to the housing.



inserts:	page:
RDD 24 poles + ⊕	74
RCE 6 poles + ⊕	78
MIXO HNM 2 modules	89

insert centre distance:
44 x 27 mm

**AVAILABLE
NOVEMBER 2017**

**bulkhead mounting housings
with single lever in stainless steel**



lever in stainless steel

10.000 matings with HNM inserts

**surface mounting housings
with single lever in stainless steel**

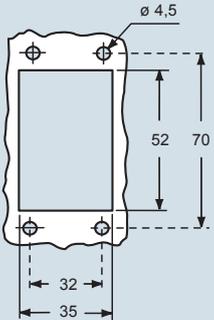


lever in stainless steel

10.000 matings with HNM inserts

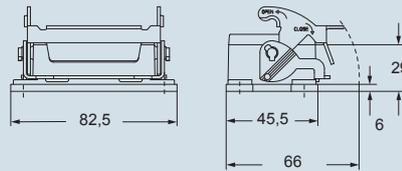
description	part No.	part No.	entry M
with lever, size "44.27"	RVI 06 L	RVP 06 L20	20
with lever, size "44.27"		RVP 06 L220	20 x 2
with lever, high construction, size "44.27"		RVAP 06 L32	32
with lever, high construction, size "44.27"		RVAP 06 L232	32 x 2

panel cut-out for bulkhead mounting housings in mm



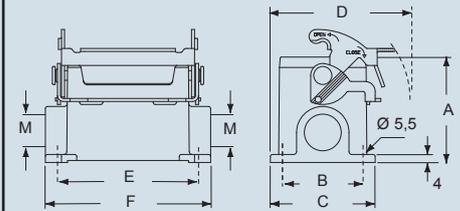
dimensions in mm

RVI L



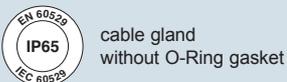
dimensions in mm

RVP L - RVAP L



type	A	B	C	D	E	F
RVP 06 L	53	40	52	70	70	82
RVAP 06 L	73	45	57	72,5	70	82

IP degrees are according to the type of lever and:



dimensions shown are not binding
and may be changed without notice

inserts:	page:
RDD 24 poles + ⊕	74
RCE 6 poles + ⊕	78
MIXO HNM 2 modules	89

insert centre distance:
44 x 27 mm

**AVAILABLE
NOVEMBER 2017**

hoods with 2 pegs



**10.000
matings with
HNM inserts**

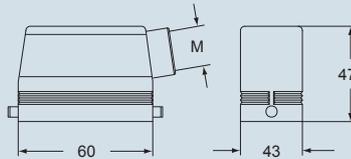
description	part No.	entry M
with pegs, side entry	RHO 06 L25	25
with pegs, side entry, high construction, without adaptor *	RFO 06 L32	32
with pegs, top entry	RHV 06 L25 ¹⁾	25
with pegs, top entry, high construction, without adaptor *	RFV 06 L32	32

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

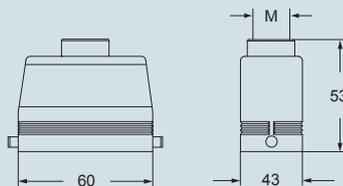
¹⁾ cannot be used with MIXO series

dimensions in mm

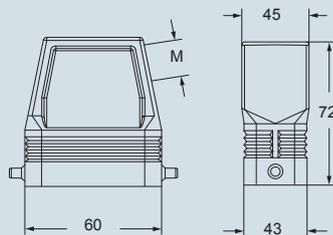
RHO L



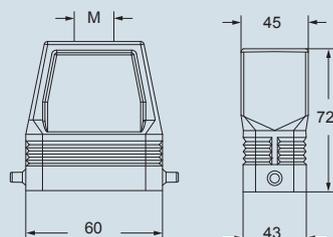
RHV L



RFO L



RFV 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:
RDD 42 poles + ⊕	75
RCE 10 poles + ⊕	79
MIXO HNM 3 modules	89

insert centre distance:
57 x 27 mm

**AVAILABLE
NOVEMBER 2017**

**bulkhead mounting housings
with single lever in stainless steel**



lever in stainless steel

10.000 matings with HNM inserts

**surface mounting housings
with single lever in stainless steel**

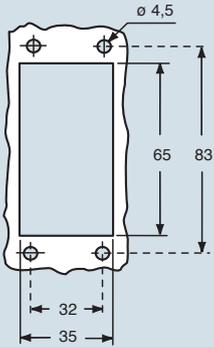


lever in stainless steel

10.000 matings with HNM inserts

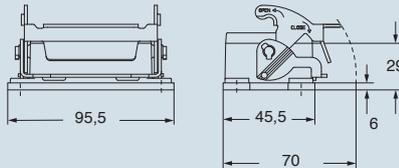
description	part No.	part No.	entry
with lever, size "57.27"	RVI 10 L	RVP 10 L20	20
with lever, size "57.27"		RVP 10 L220	20 x 2
with lever, high construction, size "57.27"		RVAP 10 L32	32
with lever, high construction, size "57.27"		RVAP 10 L232	32 x 2

panel cut-out for bulkhead mounting housings in mm



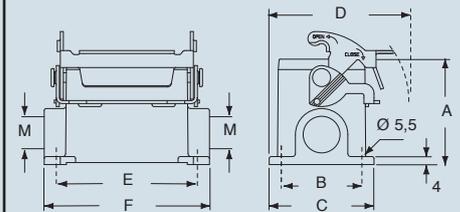
dimensions in mm

RVI L



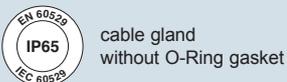
dimensions in mm

RVP L - RVAP L



type	A	B	C	D	E	F
RVP L	57	40	52	73	82	93,5
RVAP L	73	45	57	75,5	82	93,5

IP degrees are according to the type of lever and:



dimensions shown are not binding
and may be changed without notice

inserts:	page:
RDD 42 poles + ⊕	75
RCE 10 poles + ⊕	79
MIXO HNM 3 modules	89

insert centre distance:
57 x 27 mm

**AVAILABLE
NOVEMBER 2017**

hoods with 2 pegs



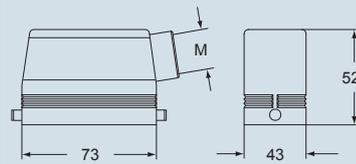
**10.000
matings with
HNM inserts**

description	part No.	entry M
with pegs, side entry	RHO 10 L25	25
with pegs, side entry, high construction, without adaptor *	RFO 10 L32	32
with pegs, top entry	RHV 10 L25	25
with pegs, top entry, high construction, without adaptor *	RFV 10 L32	32

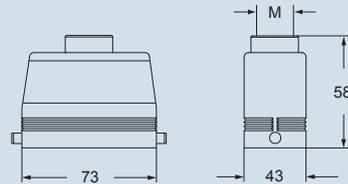
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

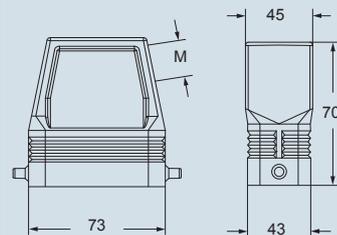
RHO L



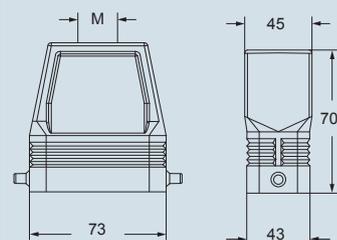
RHV L



RFO L



RFV 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

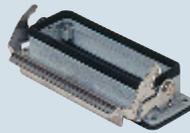


inserts:		page:
RD	40 poles + ⊕	72
RDD	72 poles + ⊕	76
RCE	16 poles + ⊕	80
RQEE	40 poles + ⊕	82
MIXO HNM	4 modules	89

insert centre distance:
77,5 x 27 mm

**AVAILABLE
NOVEMBER 2017**

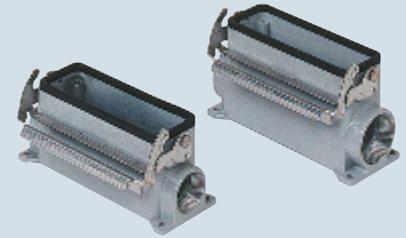
**bulkhead mounting housings
with single lever in stainless steel**



lever in stainless steel

10.000 matings with HNM inserts

**surface mounting housings
with single lever in stainless steel**

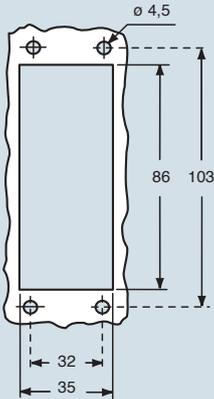


lever in stainless steel

10.000 matings with HNM inserts

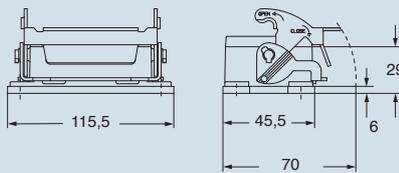
description	part No.	part No.	entry
with lever, size "77.27"	RVI 16 L		M
with lever, size "77.27"		RVP 16 L25	25
with lever, size "77.27"		RVP 16 L225	25 x 2
with lever, high construction, size "77.27"		RVAP 16 L32	32
with lever, high construction, size "77.27"		RVAP 16 L232	32 x 2

panel cut-out for bulkhead mounting housings in mm



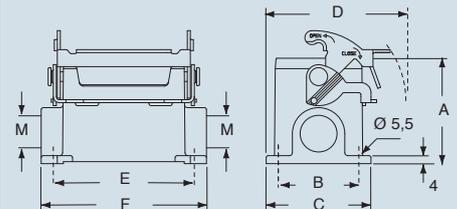
dimensions in mm

RVI L



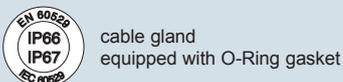
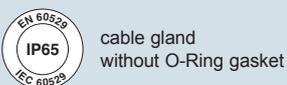
dimensions in mm

RVP L - RVAP L



type	A	B	C	D	E	F
RVP L	63	45	57	75.5	105	117
RVAP L	77	45	57	75.5	105	117

IP degrees are according to the type of lever and:



dimensions shown are not binding
and may be changed without notice

inserts:		page:
RD	40 poles + ⊕	72
RDD	72 poles + ⊕	76
RCE	16 poles + ⊕	80
RQEE	40 poles + ⊕	82
MIXO HNM	4 modules	89

insert centre distance:
77,5 x 27 mm

hoods with 2 pegs



10.000
matings with
HNM inserts

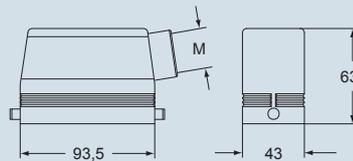
**AVAILABLE
NOVEMBER 2017**

description	part No.	entry M
with pegs, side entry	RHO 16 L32	32
with pegs, side entry, high construction, without adaptor *	RFO 16 L32	32
with pegs, top entry	RHV 16 L32	32
with pegs, top entry, high construction, without adaptor *	RFV 16 L32	32

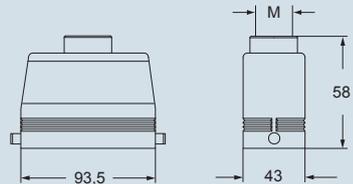
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

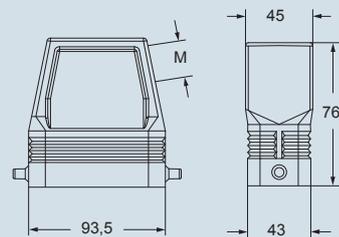
RHO L



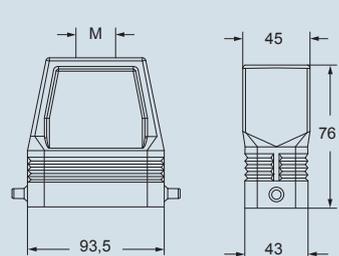
RHV L



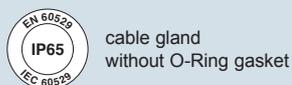
RFO L



RFV L



IP degrees are according to the type of lever and:



dimensions shown are not binding
and may be changed without notice

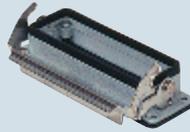


inserts:	page:
RD 64 poles + ⊕	73
RDD 108 poles + ⊕	77
RCE 24 poles + ⊕	81
RQEE 64 poles + ⊕	83
MIXO HNM 6 modules	89

insert centre distance:
104 x 27 mm

**AVAILABLE
NOVEMBER 2017**

**bulkhead mounting housings
with single lever in stainless steel**



lever in stainless steel

10.000 matings with HNM inserts

**surface mounting housings
with single lever in stainless steel**

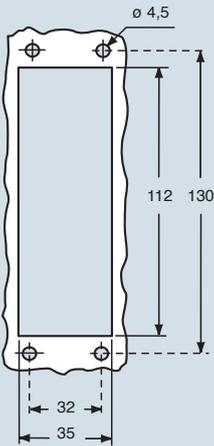


lever in stainless steel

10.000 matings with HNM inserts

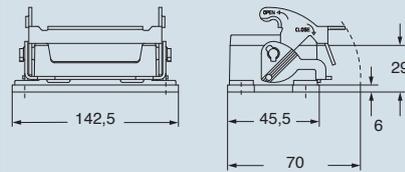
description	part No.	part No.	entry M
with lever, size "104.27"	RVI 24 L		
with lever, size "104.27"		RVP 24 L25	25
with lever, size "104.27"		RVP 24 L225	25 x 2
with lever, high construction, size "104.27"		RVAP 24 L32	32
with lever, high construction, size "104.27"		RVAP 24 L232	32 x 2

panel cut-out for bulkhead mounting housings in mm



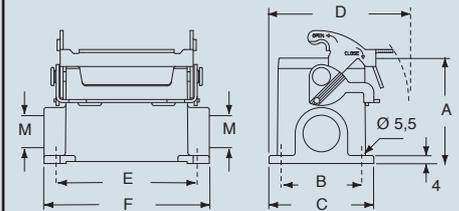
dimensions in mm

RVI L



dimensions in mm

RVP L - RVAP L



type	A	B	C	D	E	F
RVP L	63	45	57	75,5	132	144
RVAP L	80	45	57	75,5	132	144

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:
RD 64 poles + ⊕	73
RDD 108 poles + ⊕	77
RCE 24 poles + ⊕	81
RQEE 64 poles + ⊕	83
MIXO HNM 6 modules	89

insert centre distance:
104 x 27 mm

**AVAILABLE
NOVEMBER 2017**

hoods with 2 pegs



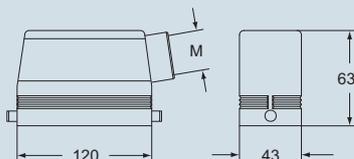
10.000
matings with
HNM inserts

description	part No.	entry M
with pegs, side entry	RHO 24 L32	32
with pegs, side entry, high construction, without adaptor *	RFO 24 L40	40
with pegs, top entry	RHV 24 L32	32
with pegs, top entry, high construction, without adaptor *	RFV 24 L40	40

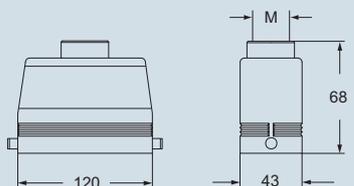
* enclosure without adaptor, threaded on the body, to be used only with a complete cable gland.

dimensions in mm

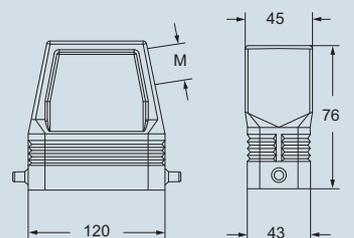
RHO L



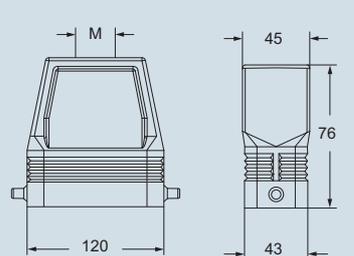
RHV L



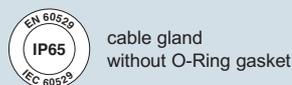
RFO L



RFV L



IP degrees are according to the type of lever and:



dimensions shown are not binding
and may be changed without notice

enclosures:

- size "44.27" from page 90
- size "57.27" from page 92
- size "77.27" from page 94
- size "104.27" from page 96

hoods without entry, to be pierced



10.000
matings with
HNM inserts

**AVAILABLE
NOVEMBER 2017**

description

part No.
with 2 pegs

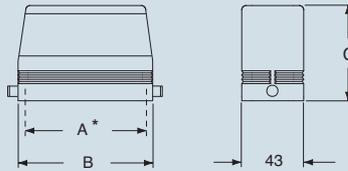
with pegs for levers

- used with enclosures size "44.27"
- used with enclosures size "57.27"
- used with enclosures size "77.27"
- used with enclosures size "104.27"

- RAC 06 L**
- RAC 10 L**
- RAC 16 L**
- RAC 24 L**

dimensions in mm

RAC L



part No.	A *	B	C
RAC 06 L	44	60	72
RAC 10 L	57	73	70
RAC 16 L	77,5	93,5	76
RAC 24 L	104	120	76

* screw fixing centre distance

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

Technical specifications

- materials
 - floating frame, inserts: stainless steel
 - fixing screws: zinc-plated steel
- mechanical endurance: ≥ 500 cycles
- compensation range:
 - x axis: $\pm 1,5$ mm
 - y axis: $\pm 1,5$ mm

Caution:

-As the frames are floating, **the PE earthing connection of the metal surfaces on which they are mounted (mounting bases) must be performed separately** and cannot be done by connecting the PE earthing contact to the corresponding connector inserts.

Note:

- The supply includes 1 frame and 4 shoulder screws with cylindrical head and notch to fix the frame in place.

self-centering floating frame



10.000
matings with
HNM inserts

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

in stainless steel, to be mounted on:
 - inserts size "44.27" * and MIXO frames for 2 inserts
 - inserts size "57.27" * and MIXO frames for 3 inserts
 - inserts size "77.27" * and MIXO frames for 4 inserts
 - inserts size "104.27" * and MIXO frames for 6 inserts

CR 06 DF
CR 10 DF
CR 16 DF
CR 24 DF

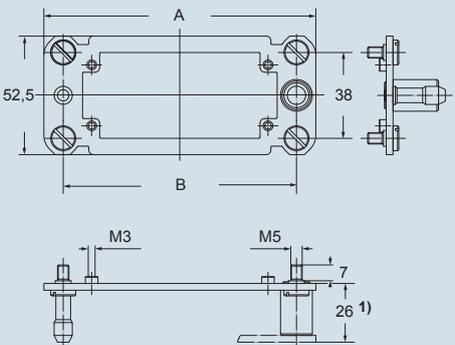
* Except CT, CTS and CTSE

For use with MIXO inserts CX 04 X, please contact ILME SpA.

Characteristics

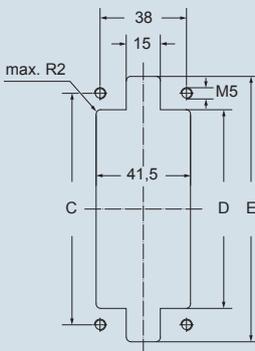
- Suitable, depending on size, for all MIXO connector inserts and frames, except series CT, CTS and CTSE.
- Designed to be used in the transportation, printing and power electronic industries (for example boxes for rack cabinets) and in all industrial applications that require, during assembly or maintenance, the connection of connectors without possibility of controlling the alignment.
- Enables the **self-centering coupling of two corresponding** connectors without the use of enclosures; they freely move on their base plate ($\pm 1,5$ mm on both axes) ensuring the **alignment of the coupling**.

dimensions in mm

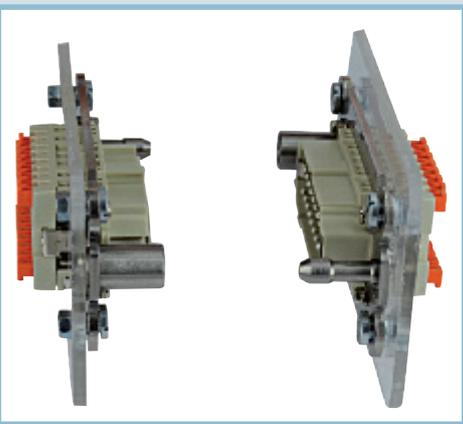


1) distance for electric and fibre optic contacts: max 27 mm
 distance for pneumatic contacts: max 26,5 mm

panel cut-out in mm



part No.	A	B	C	D	E
CR 06 DF	86	69	69	54,5	84
CR 10 DF	99	82	82	67,5	97
CR 16 DF	119,5	102,5	102,5	88	117,5
CR 24 DF	146	129	129	114,5	144



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 *
CQ4	3 poles + ⊕	23 **
CQ	5 poles + ⊕	166 *
CQ	7 poles + ⊕	8
CQ	12 poles + ⊕	102
CQ	21 poles + ⊕	11

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

insert dimensions:
 21 x 21 mm

hoods



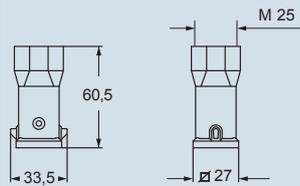
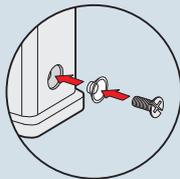
**AVAILABLE
 MAY 2017**

description	part No. (entry - M 25)
with pegs, top entry	MKAW V25
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 08 inserts	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 12 inserts are already supplied with a gasket and screw which ensure IP66/IP67 protection rating.

dimensions in mm

MKAW V25



IP66/IP67 with CKR 65 (D) ¹⁾

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 *
CQ4	3 poles + ⊕	23 **
CQ	5 poles + ⊕	166 *
CQ	7 poles + ⊕	8
CQ	12 poles + ⊕	102
CQ	21 poles + ⊕	11

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

insert dimensions:
 21 x 21 mm

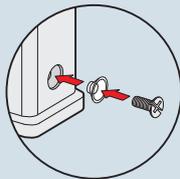
hoods



**AVAILABLE
 MAY 2017**

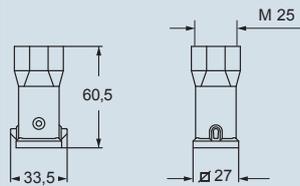
description	part No. (entry - M 25)
with pegs, top entry	MKAS V25
gasket and screw kit for IP66/IP67 ¹⁾ for CK, CQ 05, CKS inserts	CKR 65
gasket and screw kit for IP66/IP67 ¹⁾ for CD 08 inserts	CKR 65 D

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 12 inserts are already supplied with a gasket and screw which ensure IP66/IP67 protection rating.



dimensions in mm

MKAS V25



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

refer to catalogue page CN.16



inserts, crimp connections



10A crimp contacts silver and gold plated



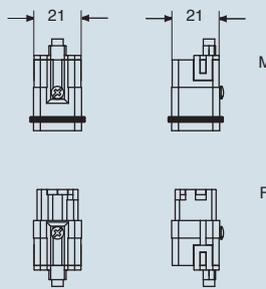
description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	CQF 12		
male inserts for male contacts	CQM 12		
10A female contacts			
0,14-0,37 mm ² AWG 26-22 identification No. 1		CDFA 0.3	CDFD 0.3
0,5 mm ² AWG 20 identification No. 2		CDFA 0.5	CDFD 0.5
0,75 mm ² AWG 18 identification No. ②		CDFA 0.7	CDFD 0.7
1,mm ² AWG 18 identification No. 3		CDFA 1.0	CDFD 1.0
1,5 mm ² AWG 16 identification No. 4		CDFA 1.5	CDFD 1.5
2,5 mm ² AWG 14 identification No. 5		CDFA 2.5	CDFD 2.5
10A male contacts			
0,14-0,37 mm ² AWG 26-22 identification No. 1		CDMA 0.3	CDMD 0.3
0,5 mm ² AWG 20 identification No. 2		CDMA 0.5	CDMD 0.5
0,75 mm ² AWG 18 identification No. ②		CDMA 0.7	CDMD 0.7
1,mm ² AWG 18 identification No. 3		CDMA 1.0	CDMD 1.0
1,5 mm ² AWG 16 identification No. 4		CDMA 1.5	CDMD 1.5
2,5 mm ² AWG 14 identification No. 5		CDMA 2.5	CDMD 2.5

silver plated

gold plated 1)

- characteristics according to EN 61984:
10A 400V 6kV 3
10A 400/690V 6kV 2
- cUL (UL for USA and Canada), CCC *, DNV-GL, EAC certified - * CQC certification being applied for
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- the CQ 12 inserts are already supplied with a seal and a screw, which ensure IP66/IP67 protection rating
- 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
- for maximum current load, see the following load curves inserts, for more information see page 563 catalogue CN.16

dimensions in mm



contacts side (front view)

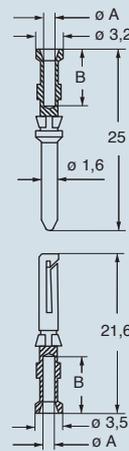


Note:
PE screw connection for unprepared wires only

the **CR Q12** coding pins (to be ordered separately), allow the user to create 16 different combinations, according to the diagram shown on page 491 catalogue CN.16



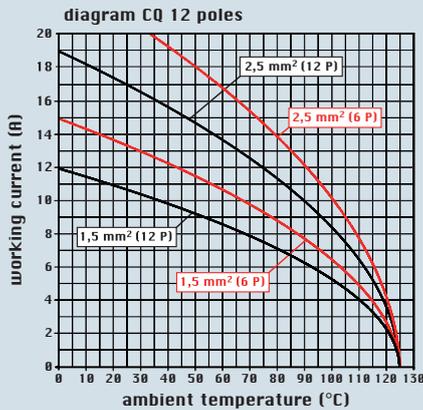
dimensions in mm



CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	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

termination connector
for CQF 12 inserts



**AVAILABLE
MAY 2017**

coding pins
for CQAM 12 T1



description

part No.

part No.

with pegs and seal, connects pole 5 with pole 6 and pole 7 with pole 8

CQAM 12 T1

coding pins for termination connectors CQAM 12 T1

dimensions in mm

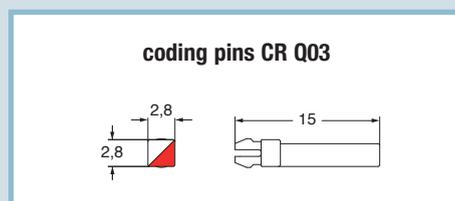
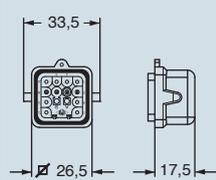
CR Q03

- characteristics according to EN 61984:
10A 400V 6kV 3
10A 400/690V 6kV 2

CQAM 12 T1

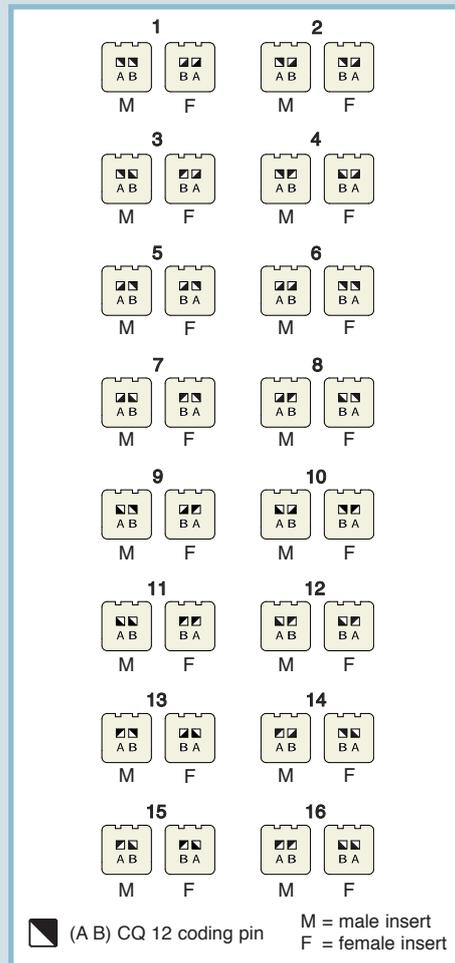
dimensions in mm

When the terminal connector is mated with a CQF 12 insert (complete with an enclosure with lever), it performs a dual function:
- connects two socket insert poles
- acts as a cover (IP65 protection rating compliant with EN 60529 standard, with lever closed).



CR Q03 code pins can be used with CQAM 12 T1, in this case the CQF 12 inserts must be provided by CR Q12

● interconnected male contacts



dimensions shown are not binding and may be changed without notice

for insert series:

page:

CDSH	9 - 14 **
CSAH	87- 89 *
CSH	91 - 96 *
CMSH	149 - 157 *

* refer to catalogue page CN.16

** refer to catalogue page News 2016

reopening tool



**AVAILABLE
MAY 2017**

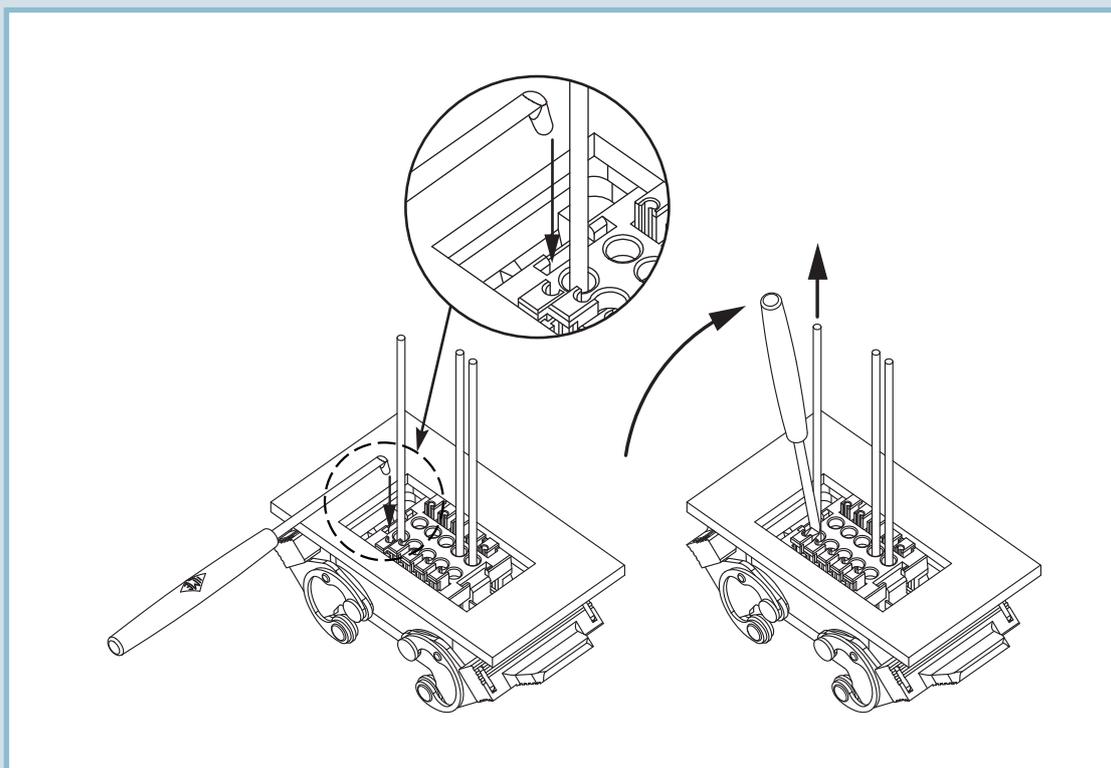
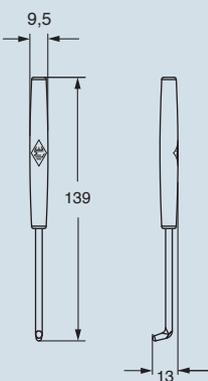
description

part No.

opening tool
for **SQUICH®** actuator button

CSHES

dimensions in mm



Important Notes

ILME designs and manufactures complete solutions for Heavy Duty electrical power connections.

The connector (although offered to the user as a variety of elements, usually inserts and enclosures, to allow the selection of the ideal combination) has been **designed as a complete connector** and tested to be compliant with the essential safety requirements of the EU Low Voltage Directive 2006/95/EC (2014/35/EU from April 20, 2016) and in particular the EN 61984 standard.

The design of this “whole” system guarantees that every allowed combination of inserts, enclosures and accessories cannot result as improper.

The products in this catalogue alone cannot guarantee the best functionality upon installation, as this depends also on their correct **“putting into service”** which must be performed in compliance with the applicable system safety standards and according to the “rule of the art”.

Therefore the effectiveness of the installation of the connector depends on the choices of the end user who must also take into account the following safety requirements.

Connectors must **not be connected or disconnected when live or under load**.

After wiring the inserts it is necessary to **verify the continuity of the protective earth connections**.

The correct coupling of the inserts is guaranteed only if they are installed (with the four fixing screws supplied) inside the corresponding enclosures or onto compatible accessories in this catalogue. I.L.M.E. SpA is not responsible for any different application.

Wiring of **screw-type terminal connections** must be carried out applying the correct tightening torque in order to avoid false contacts or damage to the conductor, the screw or the terminal.

Crimping tools and contacts used should preferably be supplied by the same manufacturer to avoid difficulties with the insertion and retention of the contacts themselves.

Correct wiring of spring-clamp connection inserts is guaranteed only when the correct screwdriver indicated in the specific catalogue, or possibly on the insert, is used.

Avoid forcing the contacts during **connection and disconnection**.

Connectors must be coupled and uncoupled in the axial direction with respect to the contacts, without bending and pulling the attached conductor bundles or cables.

Installation of two **inserts side by side**, in enclosures with two bays, must respect the polarity drawing marked on the insert (or the contact side view, as shown in this catalogue) to avoid inverted coupling.

The installation of two or more identical connectors side by side is recommended only with the use of coding pins in order to avoid mismatched couplings.

In order to keep the declared degree of protection (IP code), enclosures must be completed with cable glands and/or other accessories with at least an equal protection rating.

Moreover, the IP protection rating (according to EN 60529) is guaranteed when the enclosures, complete with inserts, are coupled and locked with their locking levers (or devices).

Finally, Please note:

- ILME cannot be held responsible for individual components in uses other than those described in this catalogue.
- ILME cannot be held responsible for incorrect connector selection in relation to the environmental conditions of the application (e.g.: influence of ambient temperature, moisture, environmental pollution, etc.).

Connector inserts and their enclosures are generally compatible with similar/equivalent products from other manufacturers, according to the last samples tested.

Full compatibility cannot be guaranteed in the event of technical changes made by other manufacturers. In particular, maximum performance of IP68 enclosures (Series CG) cannot be guaranteed when coupled with other manufacturers' products.

I.L.M.E. SpA takes no responsibility in verifying whether the components herein contained comply with any specific regulations of fields of application.

Sales organization

Headquarters

I.L.M.E. SpA
via Marco Antonio Colonna, 9
20149 Milano - Italy
☎ +39 02345605.22 - fax +39 0233105813
www.ilme.com

France

ILME FRANCE S.A.R.L.
Rue Roland Garros - BP 125
Parc d'Activités de l'Aéroport
42160 Andrézieux-Bouthéon
☎ +33 (0) 4 77 36 23 36 - fax +33 (0) 4 77 36 97 97
ilme-france@ilme.fr
www.ilme.fr

Germany

ILME GmbH
Max-Planck-Straße 12
51674 Wiehl
☎ +49 (0)2261 - 7955-0 - fax +49 (0)2261 - 7955-5
technik@ilme.de
www.ilme.de

United Kingdom

ILME UK LIMITED
50 Evans Road, Venture Point
Speke, Merseyside L24 9PB
☎ +44 (0) 151 3369321 - fax +44 (0) 151 3369326
sales@ilmeuk.co.uk
www.ilmeuk.co.uk

Sweden and Nordic Countries

ILME NORDIC AB
Transportvägen 18
24642 Löddeköpinge
☎ +46 46 18 28 00 - fax +46 46 18 28 10
info@ilme.se
www.ilme.se

Japan

ILME JAPAN CO. LTD.
Kobe International Business Center - 650-0047, 5-2, 5 - Chome,
Minatojima Minami-Machi - Chuo-Ku, Kobe
☎ +81 7830 22005 - fax +81 7830 22060
info@ilmejapan.co.jp
www.ilme.jp

China

ILME CHINA CO. LTD.
Room 307, D area, No. 245,
Xin Jun Huan Road, MinHang Dis
201114 Shanghai
☎ +86 21 6248 9961 - fax +86 21 3478 8067
info@ilmechina.com
www.ilmechina.com

www.ilme.com

Ed.05/2017

XDG NEW 517



8 015747 124369 8



catalogues