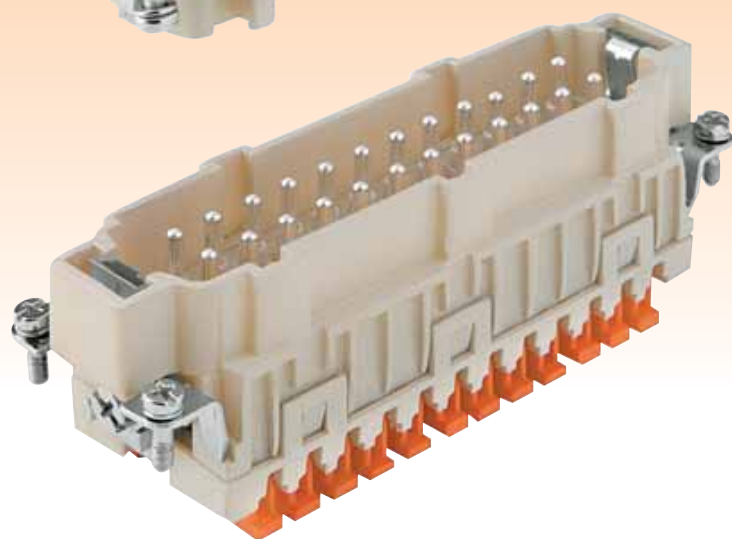
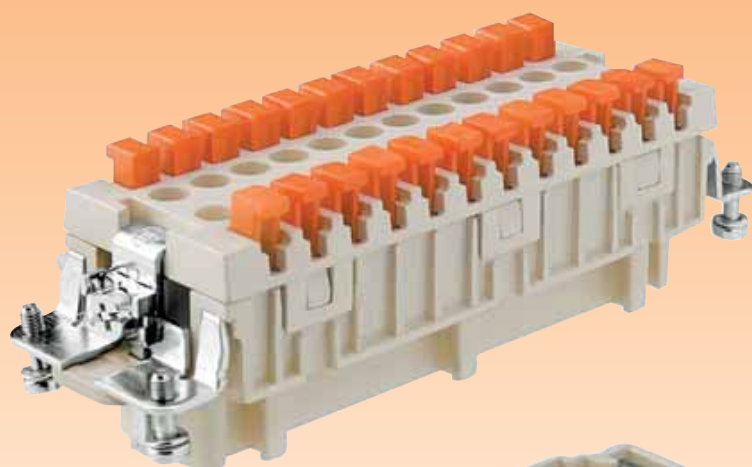


# *CSH-SQUICH*



*connection without tools*



# C-TYPE



*classic lever*



# V-TYPE



IP67



# T-TYPE



*new insulating enclosures*



## C - TYPE



**CLASSIC LEVER**

## V - TYPE



**IP67**

## T - TYPE



**INSULATING**

**CG**

**IP68**



**W**

**AGGRESSIVE  
ENVIRONMENTS**



**R**

**180 °C**





**JCNE**

6 - 10 - 16 - 24 - (32) - (48) poles

page 19

screw terminal



16A - 500V

NEW

**JCSE**

6 - 10 - 16 - 24 - (32) - (48) poles

page 19

spring connection



16A - 500V

NEW

**CSH**

6 - 10 - 16 - 24 - (32) - (48) poles

page 21

SQUICH  
spring connection

16A - 500V

NEW

**CNE**

6 - 10 - 16 - 24 - (32) - (48) poles

page 22

screw terminal



16A - 500V

**CSE - CSS**

6 - 10 - 16 - 24 - (32) - (48) poles

page 23

spring connection



16A - 500V

NEW

**CCE**

6 - 10 - 16 - 24 - (32) - (48) poles

page 24

crimp connection



CC contacts

16A - 500V

**CT - CTSE**

6 - 10 - 16 - 24 poles

page 25

screw terminal

spring connection



16A - 400V/500V

NEW

**CT 40/64 - CTS 40/64**

40 - 64 poli

page 26

spring connection

screw terminal



10A - 250V

**CD 07 - CD 08**

7-8 poles

page 27

crimp connection



CD contacts

10A - 50V

**CD**

15-25 - 40-64 poles

page 27

crimp connection



CD contacts

10A - 250V

**CNE..RY 180 °C**

6 - 10 - 16 - 24 - (48) poles

page 28

screw terminal



16A - 500V

NEW

**CDA - CDA ... X**

10 - 16 - (32) poles

page 29

screw terminal



16A - 250V

**CDC**

10 - 16 - (32) poles

page 29

crimp connection



CC contacts

16A - 250V

**CK - CKS**

3 - 4 poles

pages 30 - 31

screw terminal

spring connection



10A - 250V/400V

NEW

**CQF/M 05**

5 poles

page 32

crimp connection



CC contacts

16A - 230V/400V

**CQF/M 04 - CQF/M 08**

4 poles

8 poles

page 32

crimp connection

CD-CC-CX contacts



16A - 500V

40A - 400V/690V

NEW

**CQF/M 12**

12 poles

page 33

crimp connection

CD contacts

bridges

10A - 400V

**CR Q12**  
**CR BDE**  
**CR BST**

NEW

**CDD**24 - 38 - 42 - 72 - (92) - 108  
(144) - (216) poles

page 34

crimp connection



CD contacts

10A - 250V

**CQE**

10-18-24- 32 - (64) - 46 - (92) poles

page 34

crimp connection

CC contacts



16A - 500V

**CMCE - CMSE - CME..T**

3 - 6 - 10 - (12) - (20) poles

pages 35 - 36

screw terminal

spring connection

crimp connection

16A - 830V



NEW

**CME - CMCE**

16 - (32) poles

page 36

screw terminal

crimp connection



16A - 400V/690V

NEW

**CPF/M 06**  
**CPF/M 06 N****CXF/M 4/0**  
**CXF/M 4/2**  
**CXF/M 4/8**

page 36

screw terminal

400/690V

35A ... 80A

**CXF/M 6/36**

6 poles

page 38

**CXF/M 8/24**

8 poles

**CXF/M 12/2**

12 poles

crimp connection

CD-CC-CX contacts



## MIXO CX 01

page 40

crimp connection

CY contacts

200A - 1000V



NEW

## MIXO CX 02 G

page 40

crimp connection

CG contacts

100A - 1000V



NEW

## MIXO CX 02 A

page 41

screw terminal

40A - 400V/690V



NEW

## MIXO CX 03 - CX 3/4

page 41

crimp connection

CX contacts

CC contacts

10A/40A - 400V/690V/830V



NEW

## MIXO CX 20

page 42

crimp connection

CC contacts

16A - 500V



NEW

## MIXO CX 06

page 42

crimp connection

CC contacts

16A - 500V



## MIXO CX 08

page 42

crimp connection

CC contacts

16A - 400V



NEW

## MIXO HV CX 02 H

page 42

crimp connection

CC contacts

16A - 2900V/5000V



NEW

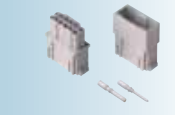
## MIXO CX 12

page 43

crimp connection

CD contacts

10A - 250V



## MIXO CX 17

page 43

crimp connection

CD contacts

10A - 160V



NEW

## MIXO CX 05

page 44

spring connection

16A - 400V



## MIXO CX 03 P

page 44

pneumatic

16A - 400V



## MIXO CX B

for shielded connectors

crimp connection

10A - 160V



NEW

## MIXO USB

connectors

page 46



NEW

## MIXO RJ45

connectors

page 47

auxiliary  
10A - 250V



NEW

## MIXO POF-MOST

optical fibre

page 48

crimp connection

10A - 160V



NEW

## MIXO COAXIAL

page 49

crimp connection

10A - 160V

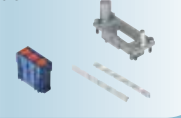


NEW

## CX FM FRAMES

dummy module  
inserts  
for modular  
inserts

pages 50 - 51



## ANCHORAGES FOR MIXO SERIES

page 52

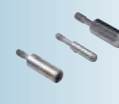
- CR..ST  
- CR..AT  
- CR..CA



## ACCESSORIES FOR MIXO SERIES

page 52

- CR..CX  
- CR..CX/D



## CRIMP CONTACTS

page 53

- CD gold plated  
- CC iron and constantan  
- CC AN advanced opening



## ACCESSORIES CONNECTORS

pages 53 - 55



## ACCESSORIES CONNECTORS

page 56

- ANCHORAGES  
- SUPPORTS FOR GRIP PANELS



## CRIMPING tools

pages 57 - 58 - 59



MIXO

ACCESSORIES



## T - TYPE

**INSULATING T-TYPE HOUSINGS**

page 64

BULKHEAD OR SURFACE MOUNTING

HOOD  
SIDE OR TOP ENTRY

SINGLE LEVER



NEW

**INSULATING T-TYPE HOUSINGS**

page 65

BULKHEAD OR SURFACE MOUNTING

HOOD  
SIDE OR TOP ENTRY

DOUBLE LEVERS



NEW

**PROTECTION COVER WITH PEGS**

pages 64 - 65

IP65



NEW

## V - TYPE

**HOUSINGS BULKHEAD OR SURFACE MOUNTING**

page 67

DOUBLE LEVERS

**HOUSINGS BULKHEAD OR SURFACE MOUNTING**

page 68

SINGLE LEVER

**HOUSINGS BULKHEAD OR SURFACE MOUNTING**

page 69

SINGLE LEVER

**V - TYPE IP67**

page 71

BULKHEAD OR SURFACE MOUNTING

DOUBLE LEVERS



NEW

**V - TYPE IP67**

page 72

BULKHEAD OR SURFACE MOUNTING

SINGLE LEVER



NEW

**INSULATING 21.21**

page 73

SINGLE LEVER

IP44  
IP66/IP67

- ENCLOSURES **WHITE**
- ENCLOSURES **BLACK**

**METAL 21.21**

page 74

SINGLE LEVER

IP44  
IP66/IP67

- WITH **ZINC-PLATED LEVER**
- WITH **STAINLESS STEEL LEVER**

**METAL 21.21**

page 75

SINGLE LEVER

IP44  
IP66/IP67

- WITH **ZINC-PLATED LEVER**
- WITH **STAINLESS STEEL LEVER**



NEW

**INSULATING BLACK 32.13**

page 76

IP66

SINGLE LEVER



NEW

**EMC VERSION 32.13**

page 77

IP66

SINGLE LEVER



NEW

**CABLE CLAMPING AND GASKET**

page 76 - 77



## C - TYPE

**BULKHEAD MOUNTING**

page 78

IP66  
IP65SINGLE LEVER  
- WITH METALLIC COVER**SURFACE MOUNTING**

pages 79 - 80

IP66

SINGLE LEVER

**SURFACE MOUNTING HOUSINGS**

page 81 - 82

IP66  
IP65SINGLE LEVER  
- WITH METALLIC COVER**HOODS**

FOR SINGLE LEVER

page 83

- SIDE ENTRY
- WITH 2 PEGS

**HOODS**

FOR SINGLE LEVER

page 84

- TOP ENTRY
- WITH 2 PEGS

**HOODS**

WITH SINGLE LEVER

page 85

- TOP ENTRY
- WITH LEVER AND GASKET

**HOODS/HOUSINGS SINGLE LEVER**

page 86

- TOP ENTRY WITH LEVER AND **WITHOUT** GASKET
- WITH PEGS AND GASKET

**COVER**

page 87

- WITH PEGS
- WITH LEVER AND GASKET
- WITH PEGS **WITHOUT** GASKET
- WITH LEVER **WITHOUT** GASKET
- TEMPORARY PROTECTION COVER - IP40



## BULKHEAD MOUNTING

page 88

IP66



DOUBLE LEVERS

## SURFACE MOUNTING

page 89

IP66



DOUBLE LEVERS

## HOODS FOR DOUBLE LEVERS

page 90

- SIDE ENTRY WITH 4 PEGS



## HOODS FOR DOUBLE LEVERS

page 91

- TOP ENTRY WITH 4 PEGS



## HOODS FOR DOUBLE LEVERS

page 92

- FRONT ENTRY WITH 4 PEGS



## HOODS WITH DOUBLE LEVERS

page 93

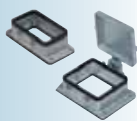
- TOP ENTRY WITH LEVER AND GASKET



## BULKHEAD MOUNTING

page 94

- WITH GASKET AND PEGS
- WITH GASKET AND PEGS AND METALLIC COVER
- WITH GASKET AND PEGS AND PLASTIC COVER



## SURFACE MOUNTING

pages 95 - 96

- WITH GASKET AND PEGS AND METALLIC COVER
- WITH GASKET AND PEGS AND PLASTIC COVER



## HOODS IP66

pages 97 - 98

- TOP OR SIDE ENTRY WITH LEVERS



## COVER

page 99

- WITHOUT GASKET AND PEGS
- WITH GASKET AND PEGS
- WITH LEVER AND GASKET



## HOODS FOR RIBBON CABLE

page 100

FOR DOUBLE LEVERS



NEW

## COMPLETE CONNECTORS

pages 102 - 103  
104 - 105

INSERTS WITH SCREW OR SPRING CONNECTION

- TOP OR SIDE ENTRY WITH 1 OR 2 LEVERS



## COB PANEL SUPPORTS FOR INSERTS

page 107

- CARRIERS
- BASEPLATES
- LEVER
- HOODS
- PLATES



## SDS - CHSDS - CR .. AD ACCESSORIES FOR CONNECTOR

page 108

- ADAPTER PLATES FOR SUB-D INSERTS
- PLATE AND KIT FOR THE CONNECTION OF CONTROL DEVICE



## CYR ACCESSORIES FOR CONNECTOR

page 108

- CABLE PRESSING HOODS CYR



## CYG - CRZ - CR TM ACCESSORIES FOR CONNECTOR

page 108

- IN-LINE JOINT FOR EXTENDED CONNECTIONS OR AS ADAPTER
- PLATE FOR WINDOWS



## T-BOX FOR BRANCH CONNECTIONS

page 110

- 1 BRANCH
- 2 BRANCH



## IP68 HIGH PROTECTION BULKHEAD OR SURFACE MOUNTING

page 112

- SCREW LOCKING



NEW

## IP68 HIGH PROTECTION BULKHEAD OR SURFACE MOUNTING

pages 113 - 114 - 115

- SCREW LOCKING
- BAYONET LOCKING



NEW

## CH - CA AND MA SPECIAL APPLICATIONS HOODS, BULKHEAD OR SURFACE MOUNTING

page 116

- WITH 1 CENTAL LEVER



NEW

## 180 °C SPECIAL APPLICATIONS HOODS, BULKHEAD OR SURFACE MOUNTING

page 117

- WITH 1 OR 2 LEVER



## EMC SPECIAL APPLICATIONS HOODS, BULKHEAD OR SURFACE MOUNTING

page 118

- WITH 1 OR 2 LEVER



## AGGRESSIVE ENVIRONMENTS SPECIAL APPLICATIONS HOODS, BULKHEAD OR SURFACE MOUNTING

page 119

- WITH 1 OR 2 LEVER



## CONNECTOR RJ45 - CJZ

pages 120 - 121

ADAPTOR CJK FOR RJ45



A

**A - CR CABLE GLAND** page 122 - 123

- IN NIKEL-PLATED BRASS
- CABLE CLAMPS
- EMC

**A - CR CABLE GLAND INSULATING** page 124

- THERMOPLASTIC

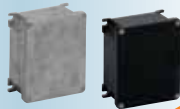
**AI**  
FITTINGS AND  
FLEXIBLE TUBES

pages 125 - 126- 127

- INSULATING
- STANDARD
- FLEXIBLE



AP

**APV - APS - APW** page 129  
CONTAINING BOXES

NEW

**AP**  
ACCESSORIES CONTAINING  
BOXES page 130

- PLATE
- SIZED DIN



AC

**AC**  
BOXES FOR CONTROL  
DEVICES AND SIGNALS pages 132 - 133

NEW

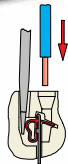
**AC**  
BOXES FOR CONTROL  
DEVICES AND SIGNALS page 134

Z - VS

**Z**  
LOAD-BREAK SWITCHES  
FOR INDUSTRIAL PURPOSES page 136**VS - VD**  
FUSE CARRIERS page 137



**CKS 3 and 4 poles**  
page 31



**CQ 12**  
page 33



**CSS - Connection with  
Double spring terminal**  
page 23



**CQ 4/2 40A**  
page 32



**CX 20 C**  
page 42



**CME 830V**  
page 36

**MIXO 40A**  
Axial screw  
page 41



**MIXO 100A**  
page 40

**MIXO RJ45**  
page 47



**RJ45**  
page 120







bridges  
page 33

MKA IAF  
page 75



MIXO USB  
page 46



MIXO 17 poles  
page 43



MIXO 200A  
page 40



CGK  
page 112



CQ 08  
page 76



hoods IP68  
page 113/114



T-BOX  
page 110



CR SC  
page 55



Constantan (Cu Ni) and  
iron (Fe) contacts for thermocouples  
page 57







CE marking	
<b>General information</b>	<p>As of January 1st 1997 manufacturers who sell commercial electrical products in the European Union must affix the CE marking pursuant to Low Voltage Directive 72/23/EEC (implemented in Italy with Law no. 791 of 18-10-1977) and its amendment, Directive 93/68/EEC (implemented in Italy with Legislative Decree no. 626/96 of 25-11-1996 published in the supplement of the Official Gazzette of 14-12-1996). The marking must be placed on the product or, when this is not possible, on the packaging or included in the warnings or the warranty certificate. With such a marking the manufacturer, in the spirit of the "new approach", declares that the product complies with all the directives of the European Union for all intended applications.</p>
<b>ILME products</b>	<p>The CE marking is placed on the product or on the packaging of all ILME products.</p> <p>All ILME products do in fact fall within the field of application of the Low Voltage Directive, except for the industrial plugs and sockets for very low safety voltage (Pluso PB series) and "Schuko" sockets for flush-mounting PEW 216 PQF (household type without European harmonisation). SELV sockets with safety transformer (BT 16220, SQT 16220, PB 16220 A1/A2/T1/T2, TM 16220 T1/ST1 and TM 16380 T1/T2) and built-in transformer also fall within the field of application of the Electromagnetic Compatibility Directive 2004/108/EEC (implemented in Italy with Legislative Decree no. 194 of 6-11-2007 modified by the above-mentioned Directive 93/68/EEC) and must therefore comply with the related provisions but do not require specific tests.</p>
<b>Declaration</b>	<p>A declaration of conformity must be prepared for all products with CE marking. This document, which is not required for marketing purposes, must be made available to control bodies (in Italy the Ministry of Industry, Trade and Artisanry). The manufacturer must provide in this document information on the technical safety standard followed in manufacturing the product.</p> <p>These standards must be, in decreasing order of preference:</p> <ul style="list-style-type: none"><li>- A European standard (prefix EN)</li><li>- A European harmonisation document (prefix HD)</li><li>- An IEC international standard</li><li>- A national standard</li><li>- An internal specification of the manufacturer guaranteeing compliance with the basic safety requirements of the directive, if no applicable standard exists</li></ul>
<b>Conformity</b>	<p>Conformity to harmonised technical standards (or ratified by CENELEC) confirms that the products comply with the essential safety requirements of the directives.</p> <p>The CE marking on ILME products confirms that they comply with harmonised standards or with IEC international regulations.</p> <p>Multi-pole connectors comply with the EN 61984 technical safety standard.</p> <p>With the CE marking, ILME declares that the product is integrally compliant (beyond the essential safety requirements of the directive) with the European, international or national regulations used as basis for voluntary safety certification marks (e.g.: IMQ and VDE).</p> <p>By doing so, ILME intends strengthening the CE marking with a self-certification safety value to account for the loss in legal value of voluntary certifications issued by third parties, sanctioned by the Directive 93/68/EEC.</p> <p>Therefore, almost all ILME products continue to display voluntary conformity marks.</p>
Compliance and standards	
<b>General information</b>	<p><b>Directive RoHS 2002/95/EC and its amendment, Directive 2008/35/EC</b> prohibits the use of specific dangerous substances for the manufacture of new electric and electronic equipment sold after July 1st 2006 (the exceptions for some applications are listed in the Annex of the Directive and in several resolutions of the EU Commission<sup>1)</sup>). The prohibited and/or restricted substances are: <b>lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ether</b> (respectively called PBB and PBDE, flame retardant substances for thermoplastic materials).</p> <p><b>Directive RAEE 2002/96/EC</b> (and its amendments, Directives <b>2003/108/EC</b> and <b>2008/34/EC</b>) provides regulations concerning differentiated waste collection and the limitation of waste originating from electric and electronic equipment. The directive also encourages recycling, repurposing and other forms of recovery of technological waste and fixes ambitious recovery rate targets for different categories of products. Manufacturers and their EU representatives are responsible for collecting, processing and recovering all the equipment listed in Annex I A and described in Annex I B of the above-mentioned directive, sold after August 13th 2005 (the deadline varies according to countries). In Italy the deadline has been delayed to 31/12/2007 because of need of approval of the ministerial decrees.</p> <p>In its position of manufacturer of electrical equipment and components for industrial use, I.L.M.E. complies with the provisions of the above-mentioned directives. These directives have now been converted into law in almost all EU countries. We therefore have preventively taken all the necessary corrective actions to ensure the full compliance of all products with the "RoHS directive", where applicable. <b>I.L.M.E. products sold starting from July 1st 2006 do not contain restricted substances in concentrations above those stated in the RoHS Directive and subsequent resolutions of the EU Commission.</b></p> <p>1) At the date of publication of this catalog, the following European Commission Resolutions had been approved: 2005/618/EC of 18.08.2005, 2005/717/EC of 13.10. 2005, 2005/747/EC of 21.10.2005, 2006/310/EC, of 21.04.2006, 2006/690/EC, 2006/691/EC, 2006/692/EC of 12.10.2006, 2008/385/EC of 24.01.2008, 2009/428/EC of 04.06.2009, 2009/443/EC of 10.06.2009.</p>



- UL - with file E 115072
- CSA - with file LR 82270
- CCC - China Quality Certification
- GL - Germanischer Lloyd - 3356706 HH
- GOST - Russian Gost Certificate

## feature of inserts for multipole connectors

inserts series	No. of poles <sup>1)</sup>			EN 61984 (2001-11) pollution degree 3			EN 61984 (2001-11) pollution degree 2			UL/CSA <sup>3)</sup> certification	certification <sup>3)</sup>
				rated voltage	rated impulse with stand voltage	pollution degree	rated voltage	rated impulse with stand voltage	pollution degree		
code	main contacts + ⊕	auxiliary contacts	rated current <sup>4)</sup>								
JCNE	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GOST
JCSE	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GOST
CK	3, 4	---	10A	250V	4kV	3	230/400V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CKS	3, 4	---	10A	400V	4kV	3				600V	cUL <sup>A)</sup> , CSA, CCC, GOST
CD	8 (without ⊕)	---	10A	50V	0,8kV	3				50V	UL, CSA, CCC, GL, GOST
CD	7, 15, 25, 40, (50), 64, (80), (128)	---	10A	250V <sup>2)</sup>	4kV	3	230/400V <sup>2)</sup>	4kV	2	600V	UL, CSA, CCC, GL, GOST
CT	40, 64	---	10A	250V	4kV	3	230/400V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CTS	40, 64	---	10A	250V	4kV	3	230/400V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CDD	24, 38, 42, 72, (76), 108, (144), (216)	---	10A				250V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CQ 12	12	---	10A	400V	6kV	3	400/690V	6kV	2	600V	cUL <sup>A)</sup> , CCC, GL, GOST
CQ 05	5	---	16A	230/400V	4kV	3	320/500V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CQ 04/2	4		40A	400/690V	6kV	3				600V	cUL, CSA, GOST
		2	10A	250V	4kV	3					
CQ 08	8	---	16A	500V	6kV	3	400/690V	6kV	2	600V	cUL, CSA, GOST
CDA	10, 16, (32)	---	16A	250V	4kV	3	230/400V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CDC	10, 16, (32)	---	16A	250V	4kV	3	230/400V	4kV	2	600V	UL, CSA, CCC, GL, GOST
CQE	10, 18, 32, 46, (64), (92)	---	16A	500V <sup>2)</sup>	6kV	3	830V <sup>2)</sup>	8kV	2	600V	UL, CSA, GL, GOST
CCE	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, GL, GOST
CNE	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GL, GOST
CSE	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GL, GOST
CSH	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	cUL, CSA, GOST
CSS	6, 10, 16, 24, (32), (48)	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GOST
CT	6, 10, 16, 24	---	16A				400V	4kV	2	600V	UL, CSA, CCC, GOST
CTSE	6, 10, 16, 24	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GL, GOST
CME	3, 6, 10, (12), (20), (32)		16A	830V	8kV	3	1000V	8kV	2	600V	UL, CSA, CCC, GOST
	16			400/690V	6kV	3	720/1250V	8kV	2		
		2, (4)		500V	6kV	3					
CMSE	3, 6, 10, (12), (20)	---	16A	830V	8kV	3	1000V	8kV	2	600V	UL, CSA, CCC, GOST
		2, (4)		500V	6kV	3	720/1250V	8kV	2		
CMCE	3, 6, 10, (12), (20), (32)		16A	830V	8kV	3	1000V	8kV	2	600V	UL, CSA, CCC, GOST
	16			400/690V	6kV	3	720/1250V	8kV	2		
		2, (4)		500V	6kV	3					
CP	6, (12)	---	35A	400/690V	6kV	3				600V	UL, CSA, CCC, GOST
CX 8/24	8		16A	230/400V	4kV	3	400V	4kV	2	600V	UL, CSA, CCC, GL, GOST
		24	10A	160V	2,5kV	3	250V	4kV	2		
CX 6/36	6		40A	690V	8kV	3				600V	UL, CSA, CCC, GL, GOST
		36	10A	160V	2,5kV	3	250V	4kV	2		
CX 12/2	12		40A	690V	8kV	3				600V	UL, CSA, CCC, GL, GOST
		2	10A	250V	4kV	3					
CX 4/0	4	0	80A	690V	8kV	3				600V	UL, CSA, CCC, GL, GOST
CX 4/2	4		80A	690V	8kV	3				600V	UL, CSA, CCC, GL, GOST
		2	16A	400V	6kV	3	400/690V	6kV	2		
CX 4/8	4		80A	400V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GL, GOST
		8	16A	230/400V	4kV	3	400V	4kV	2		

1) Polarities shown in brackets may be achieved by using two inserts.

2) Contacts partially fitted inside an insert allow inserts to be used for applications requiring rated voltages higher than those shown.

3) Certifications shown in brackets are currently pending.

4) Please check the insert load curves to establish the actual maximum operating current according to the ambient temperature.

A) UL for USA and Canada.



## feature of inserts for multipole connectors

inserts series	No. of poles <sup>1)</sup> pollution degree 3			EN 61984 (2001-11) pollution degree 2			EN 61984 (2001-11) UL/CSA <sup>3)</sup>			certification	certification <sup>3)</sup>
				rated current <sup>4)</sup>	rated voltage	rated impulse with stand voltage	pollution degree	rated voltage	rated impulse with stand voltage	pollution degree	rated voltage
code <b>MIXO</b>	main contacts + ( without ⊕ )	auxiliary contacts									
<b>CX 01 Y</b>	<b>1</b>	---	200A	1000V	8kV	3	920/1600V	8kV	2	600V	
<b>CX 02 G</b>	<b>2</b>	---	100A	1000V	8kV	3	920/1600V	8kV	2	600V	cUL <sup>®</sup> , CCC, GL, GOST
<b>CX 02 4A</b>	<b>2</b> (2,5 - 8 mm <sup>2</sup> )	---	40A	1000V	8kV	3	1600V	12kV	2	600V	cUL <sup>®</sup> , CSA, GOST
<b>CX 02 4B</b>	<b>2</b> (6 - 10 mm <sup>2</sup> )	---	40A	1000V	8kV	3	1600V	12kV	2	600V	cUL <sup>®</sup> , CSA, GOST
<b>CX 3/4XD</b>	<b>3</b>	4	40A 10A	830V	8kV	3				600V	
<b>CX 03 4</b>	<b>3</b>	---	40A	400/690V <sup>1)</sup>	6kV	3				600V	UL, CSA, CCC, GL, GOST
<b>CX 05 S</b>	<b>5</b>	---	16A	400V	6kV	3	500V	6kV	2	600V	UL, CSA, CCC, GL, GOST
<b>CX 06 C</b>	<b>6</b>	---	16A	500V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GL, GOST
<b>CX 08 C</b>	<b>8</b>	---	16A	400V	6kV	3	400/690V	6kV	2	600V	UL, CSA, CCC, GOST
<b>CX 12 D</b>	<b>12</b>	---	10A	160V	2,5kV	3	250V	4kV	2	<b>600V</b>	UL, CSA, CCC, GL, GOST
<b>CX 17 D</b>	<b>17</b>	---	10A	160V	2,5kV	3	250V	4kV	2		
<b>CX 20 C</b>	<b>20</b>	---	16A	500V	6kV	3	830V	8kV	2	600V	cUL <sup>®</sup> , CSA, GOST
<b>CX 02 H</b>	<b>2</b>	---	16A	2900/5000V	15kV	3	250V	4kV	2		
<b>CX P</b>	<b>2, 3</b>	---		pneumatic contacts for up to 8 bar compressed air							UL, CSA, CCC, GL, GOST
<b>CX 02 B</b>	<b>2</b> <sup>1)</sup>	---	---	50V	0,8kV	3				(50V)	UL, CSA, CCC, GOST
<b>CX 01 B</b>	<b>1</b> (+ screening)	---	10A	50V	0,8kV	3				(50V)	UL, CSA, GOST
<b>CX 01 BC</b>	<b>1</b> (+ screening)	---	16A	50V	<b>0,8kV</b>	<b>3</b>					
<b>CX 04 B</b>	<b>4</b> (+ screening)	---	10A	50V	0,8kV	3				(50V)	UL, CSA, CCC, GOST
<b>CX 01 J</b>	1RJ45 insert	4	10A	250V	4kV	3				<b>600V</b>	cUL <sup>®</sup> , CSA, GOST
<b>CX 02 J</b>	2 RJ45 inserts	8	10A	250V	4kV	3				<b>600V</b>	cUL <sup>®</sup> , CSA, GOST
<b>CX 01 U</b>	1 USB insert	---									
<b>CX 04 L</b>	<b>4</b>	---		POF/MOST/Coaxial DIN 41626 contacts							

<sup>1)</sup> = with up to 5 mm<sup>2</sup> section cable

<sup>1)</sup> = CX 04 B (4P) multiaxial connectors or CX 01 B coaxial connector

1) Polarities shown in brackets may be achieved by using two inserts.

3) Certifications shown in brackets are pending.

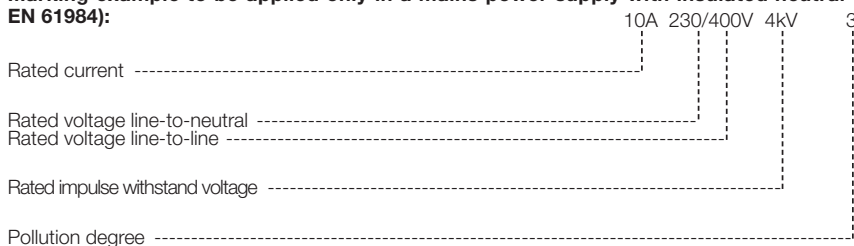
4) Please check the insert load curves to establish the actual maximum operating current according to the ambient temperature.

A) UL for USA and Canada.

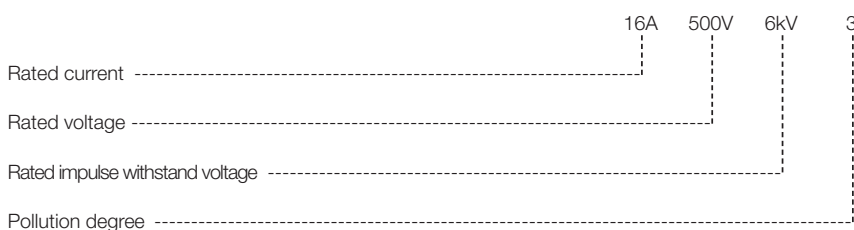
### Nominal Data

Nominal data complies with requirements of EN 61984 standard.

**Marking example to be applied only in a mains power supply with insulated neutral or with neutral to earth in a corner (see Table 5, EN 61984):**



**Marking example to be applied in any mains power supplies, including those with insulated neutral and the delta power supplies earthed in a corner (see Table 5, EN 61984):**





## enclosures and inserts combinations

# = polarity without earth contact

○\* = number of modular inserts that may be inserted in the enclosures

\* = may be mounted exclusively in bulkhead housings

★ = polarity unavailable in the CMSE version

\*\* The polarity values in enclosures size 66.40, 77.62 and 104.62 are obtained using double inserts

The polarity values indicated as exponentials in the CME, CMCE and CMSE inserts identify the pilot contacts for advanced opening

		page	96	94	92	98	93	93	inserts series				99	91-100	101	101	101	101	102	77	
enclosures			CK (10A)	CD (10A)	CT, CTS (10A)	CDD (10A)	CDA (16A)	CDC (16A)	CQ, CQE (40A) (16A) (10A)	CCE (16A)	CNE (16A)	CSE, CSS, CSH (16A)	CT, CTSE (16A)	CME (16A)	CMSE, CMCE (16A)	CP (35A)	CX (16A, 10A)	CX (40A, 10A)	CX (20A, 16A)	MIXO (up to, 200A)	JCNE, JOSE (16A)
size	page																				
inserts polarity + ⊕																					
CLASS	21.21	73 73	3 4	7 8#					12 5												
	32.13	76							8 4/2												
	49.16	78		15			10	10												①*	
	66.16	78		25		38	16	16													
	66.40**	88		50		76	32	32													
	44.27	78				24			10	6	6	6	6*							②*	6
	57.27	78				42			18	10	10	10	10*		3+ <sup>2</sup>		8/24			③*	10
	77.27	78		40	40*	72			32	16	16	16	16*		6+ <sup>2</sup>	6		6/36 12/2	4/0 4/2	④*	16
	104.27	78		64	64*	108			46	24	24	24	24*		10 <sup>2</sup>				4/8	⑥*	24
	77.62**	78		80		144			64	32	32	32	32*	12+ <sup>4</sup>	12+ <sup>4</sup>	12				⑧*	32
104.62**	78		128		216			92	48	48	48	48*	20+ <sup>4</sup> 32+ <sup>4</sup>	20+ <sup>4</sup> 32+ <sup>4</sup> ★					⑫*	48	
V-TYPE IP67	44.27	72				24			10	6	6	6	6*							②*	6
	57.27	71				42			18	10	10	10	10*		3+ <sup>2</sup>		8/24			③*	10
	77.27	71		40	40*	72			32	16	16	16	16*		6+ <sup>2</sup>	6		6/36 12/2	4/0 4/2	④*	16
	104.27	71		64	64*	108			46	24	24	24	24*		10 <sup>2</sup>				4/8	⑥*	24
T-TYPE	44.27	64				24			10	6	6	6	6*							②*	6
	57.27	65				42			18	10	10	10	10*	3+ <sup>2</sup>	3+ <sup>2</sup>		8/24			③*	10
	77.27	65		40		72			32	16	16	16	16*	6+ <sup>2</sup>	6+ <sup>2</sup>	6		6/36 12/2	4/0 4/2	④*	16
	104.27	65		64		108			46	24	24	24	24*	10+ <sup>2</sup> 16+ <sup>2</sup>	10+ <sup>2</sup> 16+ <sup>2</sup> ★				4/8	⑥*	24
JEI	44.27	68				24			10	6	6	6	6*							②*	6
	57.27	67				42			18	10	10	10	10*		3+ <sup>2</sup>		8/24			③*	10
	77.27	67		40	40*	72			32	16	16	16	16*		6+ <sup>2</sup>	6		6/36 12/2	4/0 4/2	④*	16
	104.27	67		64	64*	108			46	24	24	24	24*		10 <sup>2</sup>				4/8	⑥*	24
INSULATED CM	57.27	78												3+ <sup>2</sup>							
	77.27	78												6+ <sup>2</sup>							
	104.27	78												10+ <sup>2</sup> 16+ <sup>2</sup>	16+ <sup>2</sup> ★						

# *DIFFERENT SOLUTION FOR DIFFERENT APPLICATIONS*

## CLASS TECHNICAL

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**CNE**  
SCREW contacts  
page 22



**CSH**  
SPRING contacts  
page 21



**CD-CDD**  
CRIMP contacts  
pages 27-34



**CSE**  
SPRING contacts  
page 23

## JEI *ECONOMICAL*

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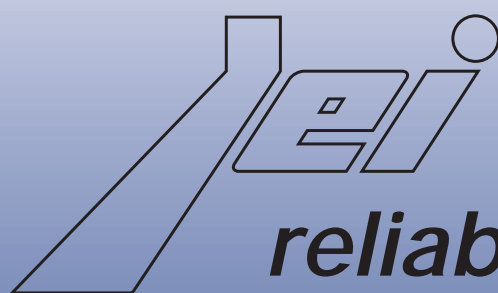


**JCNE**  
SCREW contacts  
page 19



**JCSE**  
SPRING contacts  
page- 19





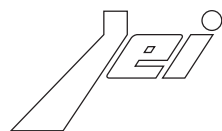
***reliable***  
***economical***



- inserts in light technopolymer
- tin plated precision contacts
- enclosures in die-cast aluminum alloy
- vertical safety locking levers in zinc-plated steel



## inserts for multipole connectors JCNE - JCSE



- Double-size enclosures 77.62 and 104.62 accept two complementary inserts (16+16 or 24+24); order the standard insert and corresponding N insert for making the total polarity 32 or 48 poles.
- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- contact surface: tin plated

drawing

ILME  
part No.

description

packaging

### JCNE inserts - 16A max - 500V - screw terminal

screw terminal for cable, section 0,5÷2,5 mm<sup>2</sup> - AWG 20÷14, with wire protection for conductors

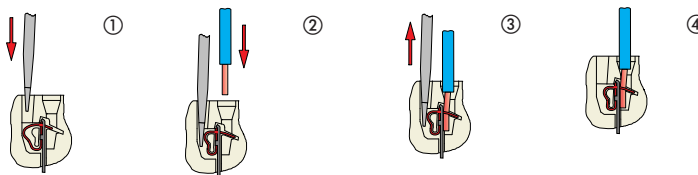
#### female inserts

JCNEF 06	6 poles + ⊕	for enclosure size 44.27	100
JCNEF 10	10 poles + ⊕	for enclosure size 57.27	80
JCNEF 16	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	80
JCNEF 24	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	80
JCNEF 16 N	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	80
JCNEF 24 N	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	80

#### male inserts

JCNEM 06	6 poles + ⊕	for enclosure size 44.27	100
JCNEM 10	10 poles + ⊕	for enclosure size 57.27	80
JCNEM 16	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	80
JCNEM 24	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	80
JCNEM 16 N	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	80
JCNEM 24 N	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	80

### JCSE inserts - 16A max - 500V - spring connection

spring connection, section 0,14÷2,5 mm<sup>2</sup> - AWG 26÷14

#### female inserts

JCSEF 06	6 poles + ⊕	for enclosure size 44.27	100
JCSEF 10	10 poles + ⊕	for enclosure size 57.27	80
JCSEF 16	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	80
JCSEF 24	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	80
JCSEF 16 N	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	80
JCSEF 24 N	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	80

#### male inserts

JCSEM 06	6 poles + ⊕	for enclosure size 44.27	100
JCSEM 10	10 poles + ⊕	for enclosure size 57.27	80
JCSEM 16	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	80
JCSEM 24	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	80
JCSEM 16 N	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	80
JCSEM 24 N	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	80

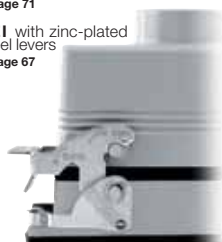
#### C-TYPE

from page 78



#### V-TYPE IP67 with stainless steel levers

page 71

JEI with zinc-plated  
steel levers  
page 67

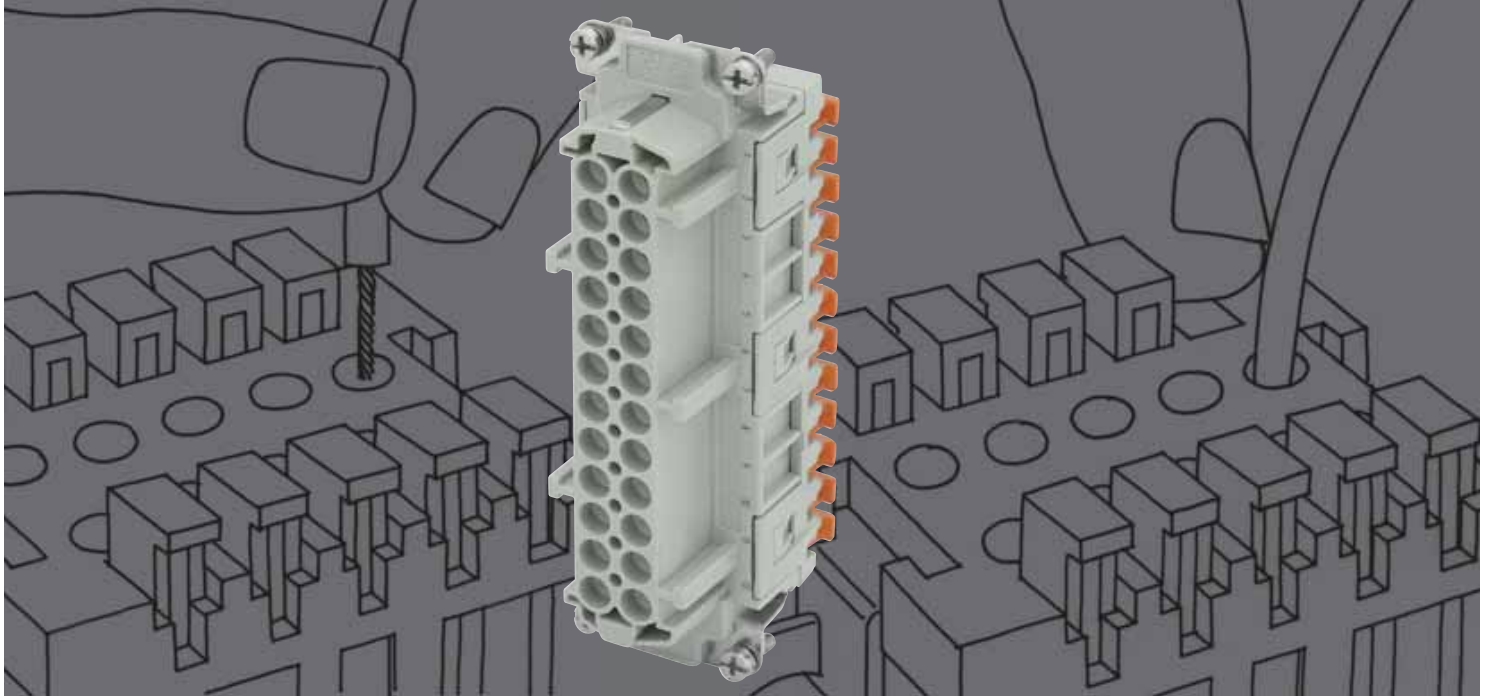
#### T-TYPE insulating

page 64



#### SPECIAL ENCLOSURES

IP68, central  
lever, EMC, and  
aggressive  
environments  
page 113



# CSH SQUICH

connections  
without tools



for multipole  
connectors  
CSH  
SQUICH

- Double-size enclosures 77.62 and 104.62 accept two complementary inserts (16+16 or 24+24); order the standard insert and corresponding N insert for making the total polarity 32 or 48 poles.
- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- silver plated contacts

drawing

ILME  
part No.

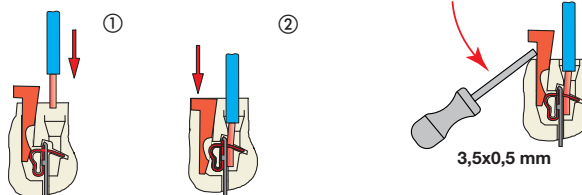
description

packaging

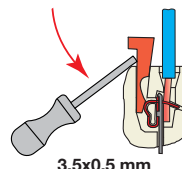
### CSH inserts - 16A - 500V

SQUICH spring terminal connections section 0,14÷2,5 mm<sup>2</sup> - AWG 26÷14  
EN 61984 (2001-11): - 16A 500V 6kV 3

#### SQUICH connections



#### Reopening



NEW



#### female inserts

<b>CSHF 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	60
<b>CSHF 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	30
<b>CSHF 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	30
<b>CSHF 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	30
<b>CSHF 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	30
<b>CSHF 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	30

NEW



#### male inserts

<b>CSHM 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	60
<b>CSHM 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	30
<b>CSHM 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	30
<b>CSHM 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	30
<b>CSHM 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	30
<b>CSHM 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	30

## SQUICH Connections without tools



1) insert the wire



2) press

**Cabling time: 50% quicker than the screw-type connection and 20% quicker than the conventional spring-type connection**

#### C-TYPE

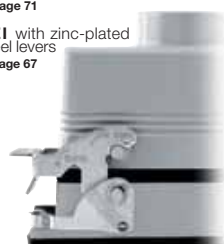
from page 78



#### V-TYPE IP67 with stainless steel levers

page 71

**JEI** with zinc-plated  
steel levers  
page 67



#### T-TYPE insulating

page 64



#### SPECIAL ENCLOSURES

IP68, central  
lever, EMC, and  
aggressive  
environments  
page 113



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## inserts for multipole connectors CNE..T - CNE..TX

- Double-size enclosures 77.62 and 104.62 accept two complementary inserts (16+16 or 24+24); order the standard insert and corresponding N insert for making the total polarity 32 or 48 poles..
- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- silver plated contacts

drawing

ILME  
part No.

description

packaging

C - TYPE INSERTS

### CNE..T inserts - 16A - 500V

screw terminal for cable, section 0,5÷2,5 mm<sup>2</sup> - AWG 20÷14, with wire protection for conductors provided with a plastic cover which guides the fitting of the conductors in the contacts  
EN 61984 (2001-11): - 16A 500V 6kV 3  
certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270

⇒ CNE ... T



#### female inserts - steel screws with both single and cross slot with wire protection

CNEF 06 T	6 poles + ⊕	for enclosure size 44.27	60
CNEF 10 T	10 poles + ⊕	for enclosure size 57.27	30
CNEF 16 T	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	30
CNEF 24 T	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	30
CNEF 16 TN	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	30
CNEF 24 TN	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	30

#### male inserts - steel screws with both single and cross slot with wire protection

CNEM 06 T	6 poles + ⊕	for enclosure size 44.27	60
CNEM 10 T	10 poles + ⊕	for enclosure size 57.27	30
CNEM 16 T	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	30
CNEM 24 T	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	30
CNEM 16 TN	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	30
CNEM 24 TN	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	30

### CNE..TX inserts - 16A - 500V

screw terminal for cable, section 0,25÷2,5 mm<sup>2</sup> - AWG 24÷14, without wire protection for conductors provided with a plastic cover which guides the fitting of the conductors in the contacts  
EN 61984 (2001-11): - 16A 500V 6kV 3

⇒ CNE ... TX



#### female inserts - steel screws with both single and cross slot without wire protection

CNEF 06 TX	6 poles + ⊕	for enclosure size 44.27	60
CNEF 10 TX	10 poles + ⊕	for enclosure size 57.27	30
CNEF 16 TX	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	30
CNEF 24 TX	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	30
CNEF 16 TXN	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	30
CNEF 24 TXN	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	30

#### male inserts - steel screws with both single and cross slot without wire protection

CNEM 06 TX	6 poles + ⊕	for enclosure size 44.27	60
CNEM 10 TX	10 poles + ⊕	for enclosure size 57.27	30
CNEM 16 TX	16 poles + ⊕	for enclosure size 77.27 (and 77.62 CLASS)	30
CNEM 24 TX	24 poles + ⊕	for enclosure size 104.27 (and 104.62 JEI or CLASS)	30
CNEM 16 TXN	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62 CLASS	30
CNEM 24 TXN	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62 JEI or CLASS	30

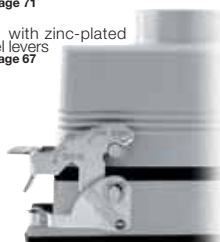
C-TYPE

from page 78



V-TYPE IP67 with stainless steel levers  
page 71

JEI with zinc-plated  
steel levers  
page 67



T-TYPE insulating page 64



SPECIAL ENCLOSURES

IP68, central  
lever, EMC, and  
aggressive  
environments  
page 113



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





# inserts for multipole connectors CSE - CSS

- Double-size enclosures 77.62 and 104.62 accept two complementary inserts (16+16 or 24+24); order the standard insert and corresponding N insert for making the total polarity 32 or 48 poles.
- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- silver plated contacts

drawing

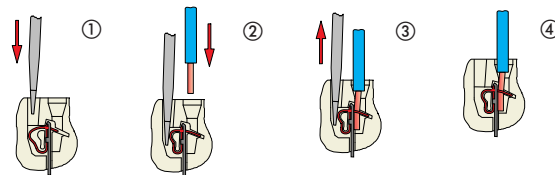
ILME  
part No.

description

packaging

## CSE inserts - 16A - 500V

spring connection section 0,14÷2,5 mm<sup>2</sup> - AWG 26÷14  
EN 61984 (2001-11); - 16A 500V 6kV 3



### female inserts

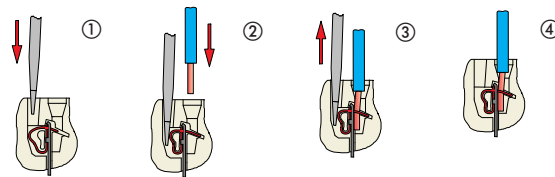
<b>CSEF 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	60
<b>CSEF 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	30
<b>CSEF 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	30
<b>CSEF 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	30
<b>CSEF 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	30
<b>CSEF 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	30

### male inserts

<b>CSEM 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	60
<b>CSEM 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	30
<b>CSEM 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	30
<b>CSEM 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	30
<b>CSEM 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	30
<b>CSEM 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	30

## CSS inserts - 16A - 500V

(double spring terminal, to be used in bulkhead housings or high construction hoods only)  
spring connection section 0,14÷2,5 mm<sup>2</sup> - AWG 26÷14  
EN 61984 (2001-11); - 16A 500V 6kV 3



### female inserts

<b>CSSF 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	10
<b>CSSF 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	5
<b>CSSF 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	5
<b>CSSF 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	5
<b>CSSF 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	5
<b>CSSF 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	5

### male inserts

<b>CSSM 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	10
<b>CSSM 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	5
<b>CSSM 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	5
<b>CSSM 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	5
<b>CSSM 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	5
<b>CSSM 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	5

## Double spring terminal



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# inserts for multipole connectors CCE

- Double-size enclosures 77.62 and 104.62 accept two complementary inserts (16+16 or 24+24); order the standard insert and corresponding N insert for making the total polarity 32 or 48 poles.
- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- silver plated contacts

drawing

ILME  
part No.

description

packaging

## CCE inserts - 16A - 500V

crimp contacts (to be ordered separately according to cable section)

C - TYPE INSERTS



### female inserts

<b>CCEF 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	60
<b>CCEF 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	30
<b>CCEF 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	30
<b>CCEF 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	30
<b>CCEF 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	30
<b>CCEF 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	30

### male inserts

<b>CCEM 06</b>	6 poles + ⊕	for enclosure size <b>44.27</b>	60
<b>CCEM 10</b>	10 poles + ⊕	for enclosure size <b>57.27</b>	30
<b>CCEM 16</b>	16 poles + ⊕	for enclosure size <b>77.27 (and 77.62 CLASS)</b>	30
<b>CCEM 24</b>	24 poles + ⊕	for enclosure size <b>104.27 (and 104.62 JEI or CLASS)</b>	30
<b>CCEM 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>77.62 CLASS</b>	30
<b>CCEM 24 N</b>	24 poles + ⊕ - numbering 25 ÷ 48	for enclosure size <b>104.62 JEI or CLASS</b>	30

### female inserts crimp contacts - silver plated - for CCE inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

### male crimp contacts - silver plated - for CCE inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

gold, iron, costantan contacts and contacts for advanced opening: page 53

### housings and hoods for inserts:

- single locking device
- double locking device

tools for CCE inserts'contacts: from page 57

#### C-TYPE

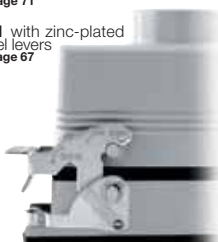
from page 78



#### V-TYPE IP67 with stainless steel levers

page 71

JEI with zinc-plated  
steel levers  
page 67



#### T-TYPE insulating

page 64



#### SPECIAL ENCLOSURES

IP68, central  
lever, EMC, and  
aggressive  
environments  
page 113



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## inserts for multipole connectors CT - CTSE

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- silver plated contacts
- the terminal block connector can carry up to 6 labels of the following brands:  
- Cabur, Grafoplast, Modernotecnica, Phoenix, Siemens, Wago, Weidmüller

drawing

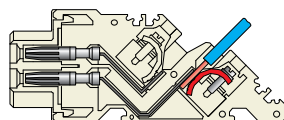
ILME  
part No.

description

packaging

### CT inserts - 16A - 400V - terminal block connectors

screw terminals for cable section up to 2.5 mm<sup>2</sup>, wire gauge AWG 18÷14  
EN 61984 (2001-11): 16A 400V 6kV 2



CT

mounting:  
left

right

female inserts

CTF 06 L	CTF 06 R	6 poles + ⊕	for enclosure size 44.27	housings	4
CTF 10 L	CTF 10 R	10 poles + ⊕	for enclosure size 57.27	housings	4
CTF 16 L	CTF 16 R	16 poles + ⊕	for enclosure size 77.27	housings	4
CTF 24 L	CTF 24 R	24 poles + ⊕	for enclosure size 104.27	housings	4

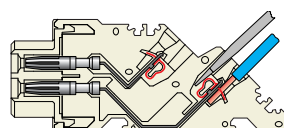
male inserts

CTM 06 L	CTM 06 R	6 poles + ⊕	for enclosure size 44.27	housings	4
CTM 10 L	CTM 10 R	10 poles + ⊕	for enclosure size 57.27	housings	4
CTM 16 L	CTM 16 R	16 poles + ⊕	for enclosure size 77.27	housings	4
CTM 24 L	CTM 24 R	24 poles + ⊕	for enclosure size 104.27	housings	4



### CTSE inserts - 16A - 500V - terminal block connectors

spring terminals for cable section up to 2.5 mm<sup>2</sup>, wire gauge AWG 26÷14  
EN 61984 (2001-11): 16A 500V 6kV 3



CTSE

mounting:  
left

right

female inserts

CTSEF 06 L	CTSEF 06 R	6 poles + ⊕	for enclosure size 44.27	housings	4
CTSEF 10 L	CTSEF 10 R	10 poles + ⊕	for enclosure size 57.27	housings	4
CTSEF 16 L	CTSEF 16 R	16 poles + ⊕	for enclosure size 77.27	housings	4
CTSEF 24 L	CTSEF 24 R	24 poles + ⊕	for enclosure size 104.27	housings	4

male inserts

CTSEM 06 L	CTSEM 06 R	6 poles + ⊕	for enclosure size 44.27	housings	4
CTSEM 10 L	CTSEM 10 R	10 poles + ⊕	for enclosure size 57.27	housings	4
CTSEM 16 L	CTSEM 16 R	16 poles + ⊕	for enclosure size 77.27	housings	4
CTSEM 24 L	CTSEM 24 R	24 poles + ⊕	for enclosure size 104.27	housings	4

bulkhead housings for inserts:

- single locking device

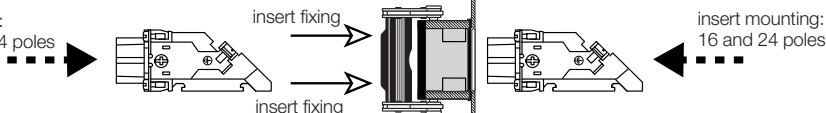
- double locking device

not to be used in IP68 enclosures; T-Type housings only front mounting.

NEW



insert mounting:  
6, 10, 16 and 24 poles



### accessories

#### fixing element for inserts with terminal block on DIN-rail

CT APE	for mounting CT-CTSE inserts on DIN-rail EN 60715	20
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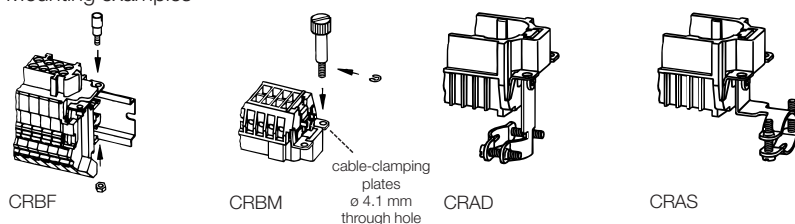
#### locking screws for inserts

CRBM	screw pin for CNE-CCE-CSE inserts	10
CRBF	bush for CT-CTSE inserts with terminal block	10

#### cable clamping plates

CRAD	straight cable clamping plate for CNE-CCE-CSE inserts	10
CRAS	angled cable clamping plate for CNE-CCE-CSE inserts	10

#### Mounting examples



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## inserts for multipole connectors CT - CTS

- terminal block connectors
- silver plated contacts
- inserts in UL recognized thermoplastic insulating self-extinguishing material
- captive screws, torque 0.4 Nm, silver plated contacts
- EN 61984 (2001-11): 10A 250V 4kV 3
- the terminal block connector can carry up to 6 labels of the following brands:
  - Cabur, Grafoplast, Modernotecnica, Phoenix, Siemens, Wago, Weidmüller

drawing

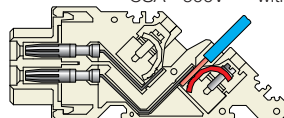
ILME  
part No.

description

packaging

### CT inserts - 10A - 250V

inserts for rear mounting on the housing, with front fixing  
screw terminals for cable section up to 2.5 mm<sup>2</sup>, wire gauge AWG 18÷14  
certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270



CT

mounting:

left

right

#### female inserts

<b>CTF 40 L</b>	<b>CTF 40 R</b>	40 poles + ⊕	for enclosure size 77.27	housings	1
<b>CTF 64 L</b>	<b>CTF 64 R</b>	64 poles + ⊕	for enclosure size 104.27	housings	1

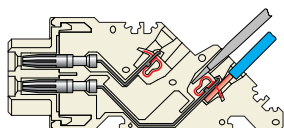
#### male inserts

<b>CTM 40 L</b>	<b>CTM 40 R</b>	40 poles + ⊕	for enclosure size 77.27	housings	1
<b>CTM 64 L</b>	<b>CTM 64 R</b>	64 poles + ⊕	for enclosure size 104.27	housings	1



### CTS inserts - 10A - 250V

inserts for rear mounting on the housing, with front fixing  
spring terminals for cable section up to 2.5 mm<sup>2</sup>, wire gauge AWG 26÷14  
certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270



CTS

mounting:

left

right

#### female inserts

<b>CTSF 40 L</b>	<b>CTSF 40 R</b>	40 poles + ⊕	for enclosure size 77.27	housings	1
<b>CTSF 64 L</b>	<b>CTSF 64 R</b>	64 poles + ⊕	for enclosure size 104.27	housings	1

#### male inserts

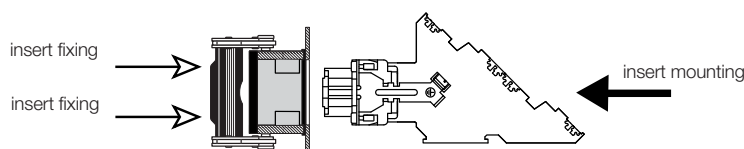
<b>CTSM 40 L</b>	<b>CTSM 40 R</b>	40 poles + ⊕	for enclosure size 77.27	housings	1
<b>CTSM 64 L</b>	<b>CTSM 64 R</b>	64 poles + ⊕	for enclosure size 104.27	housings	1



bulkhead housings for inserts:

- single locking device
- double locking device

not to be used in IP68 enclosures and T-Type enclosures



### accessories

#### fixing element for inserts with terminal block on DIN-rail

<b>CT APE</b>	for mounting CT-CTS insertson DIN-rail EN 60715	20
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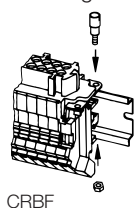
#### locking screws for inserts

<b>CRBM</b>	screw pin CD	10
<b>CRBF</b>	bush for CT-CTS inserts with terminal block	10

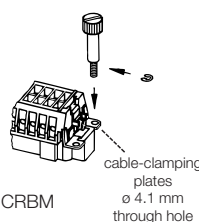
#### cable clamping plate

<b>CRAD</b>	straight cable clamping plate for CD inserts	10
<b>CRAS</b>	angled cable clamping plate for CD inserts	10

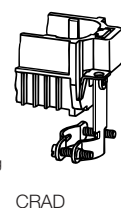
### Mounting examples



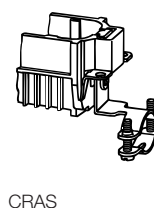
CRBF



CRBM



CRAD



CRAS



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## inserts for multipole connectors CD

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- crimp contacts (to be ordered separately according to cable section)
- CD: EN 61984 (2001-11): 10A 250V 4kV 3
- CD 08: EN 61984 (2001-11): 10A 50V 0,8 kV 3

drawing

ILME  
part No.

description

packaging

### CD inserts - 10A - 250V - CD 08 inserts 10A - 50V

in compliance with EN 175 301- 801 (except CD 07 and CD 08)

certifications: - UL - 600V ~ - with file Nr. E 115072 (50V ~ for CD 08)  
- CSA - 600V ~ - with file Nr. LR 82270 (50V ~ for CD 08)



CRIMP

#### 10A - 250V - female inserts

<b>CDF 07**</b>	7 poles + ⊕ - grey	for enclosure size <b>21.21 insulating</b>	200
<b>CDF 15</b>	15 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDF 25</b>	25 poles + ⊕	for enclosure size <b>66.16 and 66.40</b>	30
<b>CDF 40</b>	40 poles + ⊕	for enclosure size <b>77.27 and 77.62</b>	30
<b>CDF 64</b>	64 poles + ⊕	for enclosure size <b>104.27 and 104.62</b>	30
<b>CDF 07 N**</b>	7 poles + ⊕ - black	for enclosure size <b>21.21 insulating</b>	40
<b>CDF 25 Z</b>	25 poles + ⊕ - Z symbol on the insert	for enclosure size <b>66.16 and 66.40</b>	30

#### 10A - 250V - male inserts

<b>CDM 07**</b>	7 poles + ⊕ - grey	for enclosure size <b>21.21 insulating</b>	200
<b>CDM 15</b>	15 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDM 25</b>	25 poles + ⊕	for enclosure size <b>66.16 and 66.40</b>	30
<b>CDM 40</b>	40 poles + ⊕	for enclosure size <b>77.27 and 77.62</b>	30
<b>CDM 64</b>	64 poles + ⊕	for enclosure size <b>104.27 and 104.62</b>	30
<b>CDM 07 N**</b>	7 poles + ⊕ - black	for enclosure size <b>21.21 insulating</b>	40
<b>CDM 25 Z</b>	25 poles + ⊕ - Z symbol on the insert	for enclosure size <b>66.16 and 66.40</b>	30

**\*\*= they can be mounted in insulating enclosures only - from page 73**

#### 10A - 50V

<b>CDF 08</b>	female insert - 8 poles	for enclosure size <b>21.21</b>	200
<b>CDM 08</b>	male insert - 8 poles	for enclosure size <b>21.21</b>	200

**housings and hoods for size 21.21 inserts: from page 73**

### crimp contacts - for CD inserts

#### female crimp contacts - silver plated

<b>CDFA 0.3</b>	cable section 0,14±0,37 mm <sup>2</sup>	- AWG 26÷22	- Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	- Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	- Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	- Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	- Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	- Ø 2,25 mm	1600

#### male crimp contacts - silver plated

<b>CDMA 0.3</b>	cable section 0,14±0,37 mm <sup>2</sup>	- AWG 26÷22	- Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	- Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	- Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	- Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	- Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	- Ø 2,25 mm	1600

**gold plated contacts: from page 53**

**housings and hoods for inserts:**

- single locking device

- double locking device

**tools for CD inserts' contacts: from page 57**

C - TYPE INSERTS

C-TYPE

page 78

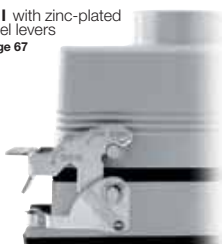


**V-TYPE IP67** with stainless steel levers

page 71

**JEI** with zinc-plated steel levers

page 67



**Only for inserts with size 77.27 and 104.27**

**T-TYPE** insulating page 64



**SPECIAL ENCLOSURES**

IP68, central lever, EMC, and aggressive environments  
page 113



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





inserts  
for multipole connectors  
CNE..RY  
180°C

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V ~ - with file Nr. E 115072
- silver plated contacts
- maximum temperature up to 180 °C

drawing

ILME  
part No.

description

packaging

CNE..RY inserts - 16A - 500V

screw terminal for cable, section 0,5÷2,5 mm<sup>2</sup> - AWG 20÷14, with wire protection for conductors  
EN 61984 (2001-11): - 16A 500V 6kV 3

C - TYPE INSERTS

→ CNE ... RY



NEW



**female inserts - steel screws with both single and cross slot  
with wire protection**

<b>CNEF 06 RY</b>	6 poles + ⊕	for 180°C enclosures size <b>44.27</b>	60
<b>CNEF 10 RY</b>	10 poles + ⊕	for 180°C enclosures size <b>57.27</b>	30
<b>CNEF 16 RY</b>	16 poles + ⊕	for 180°C enclosures size <b>77.27</b>	30
<b>CNEF 24 RY</b>	24 poles + ⊕	for 180°C enclosures size <b>104.27</b> and <b>104.62</b>	30
<b>CNEF 24 RYN</b>	24 poles + ⊕ - numbering 25 ÷ 48	for 180°C enclosures size <b>104.62</b>	30

NEW



**male inserts - steel screws with both single and cross slot  
with wire protection**

<b>CNEM 06 RY</b>	6 poles + ⊕	for 180°C enclosures size <b>44.27</b>	60
<b>CNEM 10 RY</b>	10 poles + ⊕	for 180°C enclosures size <b>57.27</b>	30
<b>CNEM 16 RY</b>	16 poles + ⊕	for 180°C enclosures size <b>77.27</b>	30
<b>CNEM 24 RY</b>	24 poles + ⊕	for 180°C enclosures size <b>104.27</b> and <b>104.62</b>	30
<b>CNEM 24 RYN</b>	24 poles + ⊕ - numbering 25 ÷ 48	for 180°C enclosures size <b>104.62</b>	30

CLASS 180°C

page 117





# inserts for multipole connectors CDA - CDA...X CDC

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- silver plated contacts
- certifications: - UL - 600V ~ - with file Nr. E 115072  
- CSA - 600V ~ - with file Nr. LR 82270
- EN 61984 (2001-11): 16A 250V 4kV/3

drawing

ILME  
part No.

description

packaging

## CDA inserts - 16A - 250V

screw terminals with wire protection for unprepared conductors  
0,75÷2,5 mm<sup>2</sup>, wire gauge AWG 18÷14, captive screws, torque 0.5 Nm

⇒ CDA ...



### female inserts

<b>CDAF 10</b>	10 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDAF 16</b>	16 poles + ⊕	for enclosure size <b>66.16</b> and <b>66.40</b>	30
<b>CDAF 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>66.40</b>	30

### male inserts

<b>CDAM 10</b>	10 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDAM 16</b>	16 poles + ⊕	for enclosure size <b>66.16</b> and <b>66.40</b>	30
<b>CDAM 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>66.40</b>	30

## CDA...X inserts - 16A - 250V

screw terminals without wire protection for multicore cable ends (with bush terminal)  
0,37÷2,5 mm<sup>2</sup>, wire gauge AWG 24÷14, captive screws, torque 0.5 Nm

⇒ CDA ... X



### female inserts

<b>CDAF 10 X</b>	10 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDAF 16 X</b>	16 poles + ⊕	for enclosure size <b>66.16</b> and <b>66.40</b>	30
<b>CDAF 16 XN</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>66.40</b>	30

### male inserts

<b>CDAM 10 X</b>	10 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDAM 16 X</b>	16 poles + ⊕	for enclosure size <b>66.16</b> and <b>66.40</b>	30
<b>CDAM 16 XN</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>66.40</b>	30

## CDC inserts - 16A - 250V

crimp contacts (to be ordered separately according to cable section)



⇒ CRIMP

### female inserts

<b>CDCF 10</b>	10 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDCF 16</b>	16 poles + ⊕	for enclosure size <b>66.16</b> and <b>66.40</b>	30
<b>CDCF 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>66.40</b>	30

### male inserts

<b>CDCM 10</b>	10 poles + ⊕	for enclosure size <b>49.16</b>	30
<b>CDCM 16</b>	16 poles + ⊕	for enclosure size <b>66.16</b> and <b>66.40</b>	30
<b>CDCM 16 N</b>	16 poles + ⊕ - numbering 17 ÷ 32	for enclosure size <b>66.40</b>	30

### female crimp contacts - silver plated - for CDC inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

### male crimp contacts - silver plated - for CDC inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

gold plated, silver plated, costantan contacts and contacts for advanced opening: from page 53

housings and hoods for inserts:

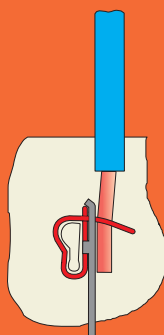
- single locking device
- double locking device

tools for CDC inserts' contacts: from page 57

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)

# CKS

spring terminal connections  
400V





## inserts for multipole connectors CKS - CK

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

drawing

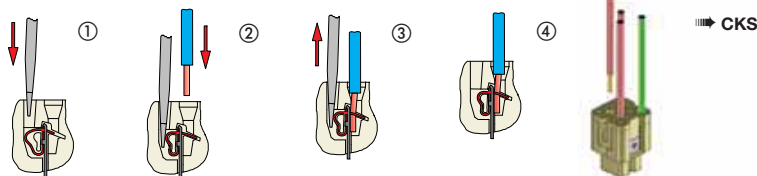
ILME  
part No.

description

packaging

### CKS inserts - 10A - 400V

spring terminals for cable section up to  $0,14 \div 2,5 \text{ mm}^2$ , wire gauge AWG 26÷14  
EN 61984 (2001-11): 10A 400V 4 kV 3



C - TYPE INSERTS

NEW



#### female inserts

<b>CKSF 03</b>	3 poles + ⊕	for enclosure size 21.21	200
<b>CKSF 04</b>	4 poles + ⊕	for enclosure size 21.21	200

#### male inserts

<b>CKSM 03</b>	3 poles + ⊕	for enclosure size 21.21	200
<b>CKSM 04</b>	4 poles + ⊕	for enclosure size 21.21	200

### CK inserts - 10A - 250V - SCREW

screw terminals for cable section up to  $1,5 \text{ mm}^2$ , wire gauge AWG 18÷16  
EN 61984 (2001-11): 16A 250V 4 kV 3



#### female inserts

<b>CKF 03</b>	3 poles + ⊕ - white	for enclosure size 21.21	200
<b>CKF 03 N</b>	3 poles + ⊕ - black	for enclosure size 21.21	200
<b>CKF 04</b>	4 poles + ⊕ - white	for enclosure size 21.21	200
<b>CKF 04 N</b>	4 poles + ⊕ - black	for enclosure size 21.21	200

#### male inserts

<b>CKM 03</b>	3 poles + ⊕ - white	for enclosure size 21.21	200
<b>CKM 03 N</b>	3 poles + ⊕ - black	for enclosure size 21.21	200
<b>CKM 04</b>	4 poles + ⊕ - white	for enclosure size 21.21	200
<b>CKM 04 N</b>	4 poles + ⊕ - black	for enclosure size 21.21	200

**housings and hoods for inserts:**  
**- single locking device: from page 73**

### shunt connector cap for CKF 03 inserts

shunt connector cup is mated with a CKF/CKSF 03 insert (complete with an enclosure with lever), it performs a dual function:  
- connects it shunt two socket insert poles  
- acts as a cover



#### shunt connector cap

<b>CKM 03 T1</b>	with pegs and seal, connects pole 2 with pole 3	10
<b>CKM 03 T2</b>	with pegs and seal, connects pole 1 with pole 3	10
<b>CKM 03 T3</b>	with pegs and seal, connects pole 1 with pole 2	10



## inserts for multipole connectors CQ

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- crimp contacts (to be ordered separately according to cable section)
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

drawing

ILME  
part No.

description

packaging

C - TYPE INSERTS



### CQ inserts - 16A - 230/400V

crimp contacts for cable section up to 4 mm<sup>2</sup>, wire gauge AWG 26÷12 (to be ordered separately)  
EN 61984 (2001-11): 16A 230V/400V 4kV 3



#### female inserts

<b>CQF 05</b>	5 poles + ⊕	for enclosure size 21.21	40
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#### male inserts

<b>CQM 05</b>	5 poles + ⊕	for enclosure size 21.21	40
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for CQ 05 and CQ 08 inserts: 16A contacts to be used

### CQ inserts - 16A - 500V

crimp contacts for cable section up to 4 mm<sup>2</sup>, wire gauge AWG 26÷14 (to be ordered separately)  
EN 61984 (2001-11): 16A 500V 6kV 3



#### female inserts

<b>CQF 08</b>	8 poles + ⊕	for enclosure size 32.13	5
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#### male inserts

<b>CQM 08</b>	8 poles + ⊕	for enclosure size 32.13	5
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per frutti CQ 05 e CQ 08: utilizzare contatti 16A

### CQ inserts - 40A - 400V/690V + 10A - 250V

crimp contacts for cable section up to 6 mm<sup>2</sup>, wire gauge AWG 16÷10 (to be ordered separately)  
EN 61984 (2001-11): 40A 490V/690V 6kV 3  
EN 61984 (2001-11): 10A 250V 4kV 3



#### female inserts

<b>CQF 04/2</b>	4 poles 40A max + 2 poles 10A max + ⊕	for enclosure size 32.13	5
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#### male inserts

<b>CQM 04/2</b>	4 poles 40A max + 2 poles 10A max + ⊕	for enclosure size 32.13	5
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for CQ 04/2 inserts: 40A and 10A contacts to be used

tools for contacts: from page 57

housings and hoods: from page 76

gold plated, iron and costantan (page 53)

female crimp contacts - silver plated - for CQ 04/2 inserts

<b>CXFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - stripping length 9 mm	50
<b>CXFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - stripping length 9 mm	50
<b>CXFA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - stripping length 9,6 mm	50
<b>CXFA 6.0</b>	cable section 6 mm <sup>2</sup>	- AWG 10 - stripping length 9,6 mm	50

male crimp contacts - silver plated - for CQ 04/2 inserts

<b>CXMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - stripping length 9 mm	50
<b>CXMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - stripping length 9 mm	50
<b>CXMA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - stripping length 9,6 mm	50
<b>CXMA 6.0</b>	cable section 6 mm <sup>2</sup>	- AWG 10 - stripping length 9,6 mm	50

female crimp contacts - silver plated - for CQ 05 and CQ 08 inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup>	- AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup>	- AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - no grooves	800

male crimp contacts - silver plated - for CQ 05 and CQ 08 inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup>	- AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup>	- AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - no grooves	800

female crimp contacts - silver plated - for CQ 04/2 inserts

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22 - Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - Ø 2,25 mm	1600

male crimp contacts - silver plated - for CQ 04/2 inserts

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22 - Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - Ø 2,25 mm	1600

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# inserts for multipole connectors CQ

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- crimp contacts (to be ordered separately according to cable section)

drawing

ILME  
part No.

description

packaging

## CQ 12 inserts - 10A - 400V

crimp contacts for cable section up to 2,5 mm<sup>2</sup>, wire gauge AWG 26÷14 (to be ordered separately)  
EN 61984 (2001-11): 10A 400V 6kV 3

The CQ 12 inserts are already supplied with a seal and screw, which ensure IP66/IP67 protection rating



NEW



### female inserts)

<b>CQF 12</b>	12 poles + ⊕	for enclosure size 21.21	40
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### male inserts

<b>CQM 12</b>	12 poles + ⊕	for enclosure size 21.21	40
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<b>CR Q12</b>	coding pins for CQ 12 inserts		100
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### female crimp contacts - silver plated

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22	200
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	200
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	200
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	200
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	200
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	200

### male crimp contacts - silver plated

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22	200
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	200
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	200
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	200
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	200
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	200

tools for contacts: from page 57  
housings and hoods: from page 73  
gold plated (page 53)



### bridges for delta or star connection

<b>CR BDE</b>	bridges for delta connection - bridge with 2 female 10A contacts, silver plated and open type crimp barrel*	30
<b>CR BST</b>	bridges for star connection- bridge with 3 female 10A contacts, silver plated	30



CR BDE\*



CR BST



\* For wires with cross-section ranging from 1.5 to 2.5 mm<sup>2</sup> (16-14 AWG), crimp connection with **CRPZ** pliers (model CEMBRE IDT) and **CRD** matrix.





# inserts for multipole connectors CDD - CQE

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

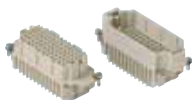
drawing

ILME  
part No.

description

packaging

C - TYPE INSERTS



10A

## CDD inserts - 10A - 250V

crimp contacts (to be ordered separately according to cable section)  
EN 61984 (2001-11): 10A 250V 4 kV 2



### female inserts)

<b>CDDF 24</b>	24 poles + ⊕	for enclosure size 44.27	60
<b>CDDF 38</b>	38 poles + ⊕	for enclosure size 66.16 and 66.40	30
<b>CDDF 42</b>	42 poles + ⊕	for enclosure size 57.27	30
<b>CDDF 72</b>	72 poles + ⊕	for enclosure size 77.27 and 77.62	30
<b>CDDF 108</b>	108 poles + ⊕	for enclosure size 104.27 and 104.62	30
<b>CDDF 72 N</b>	72 poles + ⊕ - numbering 73 ÷ 144	for enclosure size 77.62	30
<b>CDDF 108 N</b>	108 poles + ⊕ - numbering 109 ÷ 216	for enclosure size 104.62	30

### male inserts

<b>CDDM 24</b>	24 poles + ⊕	for enclosure size 44.27	60
<b>CDDM 38</b>	38 poles + ⊕	for enclosure size 66.16 and 66.40	30
<b>CDDM 42</b>	42 poles + ⊕	for enclosure size 57.27	30
<b>CDDM 72</b>	72 poles + ⊕	for enclosure size 77.27 and 77.62	30
<b>CDDM 108</b>	108 poles + ⊕	for enclosure size 104.27 and 104.62	30
<b>CDDM 72 N</b>	72 poles + ⊕ - numbering 73 ÷ 144	for enclosure size 77.62	30
<b>CDDM 108 N</b>	108 poles + ⊕ - numbering 109 ÷ 216	for enclosure size 104.62	30

### female crimp contacts - silver plated - for CDD inserts

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22	- Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20	- Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18	- Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18	- Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16	- Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14	- Ø 2,25 mm	1600

### male crimp contacts - silver plated - for CDD inserts

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22	- Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20	- Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18	- Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18	- Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16	- Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14	- Ø 2,25 mm	1600

## CQE inserts - 16A max - 500V

crimp contacts (to be ordered separately according to cable section)  
EN 61984 (2001-11): - 16A 500V 6 kV 3  
- 16A 830V 8 kV 2



### female inserts

<b>CQEF 10</b>	10 poles + ⊕	for enclosure size 44.27	10
<b>CQEF 18</b>	18 poles + ⊕	for enclosure size 57.27	5
<b>CQEF 32</b>	32 poles + ⊕	for enclosure size 77.27 and 77.62	5
<b>CQEF 46</b>	46 poles + ⊕	for enclosure size 104.27 and 104.62	5
<b>CQEF 32 N</b>	32 poles + ⊕ - numbering 33 ÷ 64	for enclosure size 77.62	5
<b>CQEF 46 N</b>	46 poles + ⊕ - numbering 47 ÷ 92	for enclosure size 104.62	5

### male inserts

<b>CQEM 10</b>	10 poles + ⊕	for enclosure size 44.27	10
<b>CQEM 18</b>	18 poles + ⊕	for enclosure size 57.27	5
<b>CQEM 32</b>	32 poles + ⊕	for enclosure size 77.27 and 77.62	5
<b>CQEM 46</b>	46 poles + ⊕	for enclosure size 104.27 and 104.62	5
<b>CQEM 32 N</b>	32 poles + ⊕ - numbering 33 ÷ 64	for enclosure size 77.62	5
<b>CQEM 46 N</b>	32 poles + ⊕ - numbering 47 ÷ 92	for enclosure size 104.62	5

### female crimp contacts - silver plated - for CQE inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

### male crimp contacts - silver plated - for CQE inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

housings and hoods for inserts:  
 - single locking device: from page 64  
 - double locking device: from page 64  
 tools for inserts' contacts: from page 57

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## inserts for multipole connectors CMCE - CMSE

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- EN 61984 (2001-11): 16A 830V 3kV 3
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

drawing

ILME  
part No.

description

packaging

### CMCE inserts - 16A - 830V

crimp contacts (to be ordered separately according to cable section)  
use CC..AN contacts for auxiliary poles

NEW



#### female inserts

<b>CMCEF 03</b>	3 poles + 2 auxiliary poles + ⊕	for enclosure size 57.27	30
<b>CMCEF 06</b>	6 poles + 2 auxiliary poles + ⊕	for enclosure size 77.27 and 77.62	30
<b>CMCEF 10</b>	10 poles + 2 auxiliary poles + ⊕	for enclosure size 104.27 and 104.62	30
<b>CMCEF 06 N</b>	6 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62	30
<b>CMCEF 10 N</b>	10 poles + 2 auxiliary poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62	30

#### male inserts

<b>CMCEM 03</b>	3 poles + 2 auxiliary poles + ⊕	for enclosure size 57.27	30
<b>CMCEM 06</b>	6 poles + 2 auxiliary poles + ⊕	for enclosure size 77.27 and 77.62	30
<b>CMCEM 10</b>	10 poles + 2 auxiliary poles + ⊕	for enclosure size 104.27 and 104.62	30
<b>CMCEM 06 N</b>	6 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62	30
<b>CMCEM 10 N</b>	10 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 104.62	30

#### female crimp contacts - silver plated - for CMCE inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

#### male crimp contacts - silver plated - for CMCE inserts

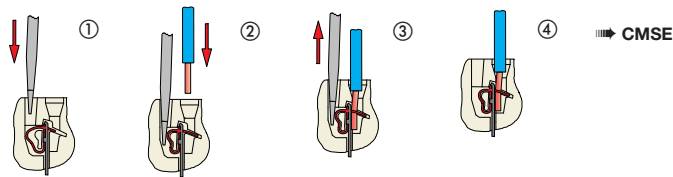
<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

#### male crimp contacts for advanced opening - silver plated - for CMCE inserts (auxiliary poles)

<b>CC 0.5 AN</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	50
<b>CC 0.7 AN</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	50
<b>CC 1.0 AN</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	50
<b>CC 1.5 AN</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	50
<b>CC 2.5 AN</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	50

### CMSE inserts - 16A - 830V

spring terminals for cable section 0,14÷2,5 mm<sup>2</sup>, wire gauge AWG 26÷14, silver plated contacts  
EN 61984 (2001-11): 16A 830V 6kV 3



NEW



#### female inserts

<b>CMSEF 03</b>	3 poles + 2 auxiliary poles + ⊕	for enclosure size 57.27	30
<b>CMSEF 06</b>	6 poles + 2 auxiliary poles + ⊕	for enclosure size 77.27 and 77.62	30
<b>CMSEF 10</b>	10 poles + 2 auxiliary poles + ⊕	for enclosure size 104.27 and 104.62	30
<b>CMSEF 06 N</b>	6 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62	30
<b>CMSEF 10 N</b>	10 poles + 2 auxiliary poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62	30

#### male inserts

<b>CMSEM 03</b>	3 poles + 2 auxiliary poles + ⊕	for enclosure size 57.27	30
<b>CMSEM 06</b>	6 poles + 2 auxiliary poles + ⊕	for enclosure size 77.27 and 77.62	30
<b>CMSEM 10</b>	10 poles + 2 auxiliary poles + ⊕	for enclosure size 104.27 and 104.62	30
<b>CMSEM 06 N</b>	6 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62	30
<b>CMSEM 10 N</b>	10 poles + 2 auxiliary poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62	30

#### housings and hoods for inserts:

- single locking device: from page 64
- double locking device: from page 64
- tools for inserts' contacts: from page 57

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# inserts for multipole connectos CME..T - CME - CMCE

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

drawing

ILME  
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description

packaging

C - TYPE INSERTS

NEW



## CME..T inserts - 16A - 830V

screw terminals for cable section 0,5÷2,5 mm<sup>2</sup>, wire gauge AWG 20÷14, silver plated contacts torque 0.5 Nm  
EN 61984 (2001-11): 16A 830V 6kV 3

CME



### female inserts

<b>CMEF 03 T</b>	3 poles + 2 auxiliary poles + ⊕	for enclosure size 57.27 insulated	30
<b>CMEF 06 T</b>	6 poles + 2 auxiliary poles + ⊕	for enclosure size 77.27 insulated and 77.62	30
<b>CMEF 10 T</b>	10 poles + 2 auxiliary poles + ⊕	for enclosure size 104.27 insulated and 104.62	30
<b>CMEF 06 TN</b>	6 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62	30
<b>CMEF 10 TN</b>	10 poles + 2 auxiliary poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62	30

### male inserts

<b>CMEM 03 T</b>	3 poles + 2 auxiliary poles + ⊕	for enclosure size 57.27 insulated	30
<b>CMEM 06 T</b>	6 poles + 2 auxiliary poles + ⊕	for enclosure size 77.27 insulated and 77.62	30
<b>CMEM 10 T</b>	10 poles + 2 auxiliary poles + ⊕	for enclosure size 104.27 insulated and 104.62	30
<b>CMEM 06 TN</b>	6 poles + 2 auxiliary poles + ⊕ - numbering 17 ÷ 32	for enclosure size 77.62	30
<b>CMEM 10 TN</b>	10 poles + 2 auxiliary poles + ⊕ - numbering 25 ÷ 48	for enclosure size 104.62	30

## CME inserts - 16A - 400V/690V

screw terminals for cable section 0,75÷2,5 mm<sup>2</sup>, wire gauge AWG 18÷14, silver plated contacts  
EN 61984 (2001-11): 16A 400/690V 6kV 3

CME



NEW



### female inserts

<b>CMEF 16</b>	16 poles + 2 auxiliary poles + ⊕ - white	for enclosure size 104.27 isolate and 104.62	5
<b>CMEF 16 N</b>	16 poles + 2 auxiliary poles + ⊕ - black	for enclosure size 104.62	5

### male inserts

<b>CMEM 16</b>	16 poles + 2 auxiliary poles + ⊕ - white	for enclosure size 104.27 isolate and 104.62	5
<b>CMEM 16 N</b>	16 poles + 2 auxiliary poles + ⊕ - black	for enclosure size 104.62	5

## CMCE inserts- 16A - 400V/690V

crimp contacts (to be ordererd separately according to cable section)  
CCMA.. contacts to be used for auxiliary poles  
EN 61984 (2001-11): 16A 400/690V 6kV 3



CRIMP

NEW



### female inserts

<b>CMCEF 16</b>	16 poles + 2 auxiliary poles + ⊕ - white	for enclosure size 104.27 isolate and 104.62	30
<b>CMCEF 16 N</b>	16 poles + 2 auxiliary poles + ⊕ - black	for enclosure size 104.62	30

### male inserts

<b>CMCEM 16</b>	16 poles + 2 auxiliary poles + ⊕ - white	for enclosure size 104.27 isolate and 104.62	30
<b>CMCEM 16 N</b>	16 poles + 2 auxiliary poles + ⊕ - black	for enclosure size 104.62	30

### female crimp contacts - silver plated - for CQE inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

### male crimp contacts - silver plated - for CCE inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

### housings and hoods for inserts:

- single locking device
  - double locking device
- tools for inserts' contacts: from page 57

CLASS - insulated from page 78



T-TYPE insulating from page 64



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## inserts for multipole connectors CP - CX

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- silver plated contacts
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

drawing

ILME  
part No.

description

packaging

### CP inserts - 35A - 400/690V

screw terminals for cable section up to 6 mm<sup>2</sup>, wire gauge AWG 16÷10  
EN 61984 (2001-11): 35A 400V/690V 6kV 3

CP



<b>CPF 06</b>	female insert - 6 poles + ⊕ - white	for enclosure size 77.27 and 77.62	20
<b>CPM 06</b>	male insert - 6 poles + ⊕ - white	for enclosure size 77.27 and 77.62	20
<b>CPF 06 N</b>	female insert - 6 poles + ⊕ - black	for enclosure size 77.62	5
<b>CPM 06 N</b>	male insert - 6 poles + ⊕ - black	for enclosure size 77.62	5

### CX inserts - 80A

80A - screw terminals for cable section up to 16 mm<sup>2</sup>, wire gauge AWG 12÷6

CX



#### 4/0 - single rated current (80A - 690V):

EN 61984 (2001-11): 80A 690V 8kV 3

<b>CXF 4/0</b>	female insert - 4 poles 80A max + ⊕	for enclosure size 77.27	5
<b>CXM 4/0</b>	male insert - 4 poles 80A max + ⊕	for enclosure size 77.27	5



#### 4/2 - mixed rated current (80A - 690V + 16A - 400V):

EN 61984 (2001-11): 80A 690V 8kV 3

EN 61984 (2001-11): 16A 400V 6kV 3 for bush terminals conductors up to 2,5 mm<sup>2</sup>

<b>CXF 4/2</b>	female insert - 4 poles 80A max + 2 poles 16A max + ⊕	for enclosure size 77.27	5
<b>CXM 4/2</b>	male insert - 4 poles 80A max + 2 poles 16A max + ⊕	for enclosure size 77.27	5



#### 4/8 - mixed rated current (80A - 400V + 16A - 230/400V):

EN 61984 (2001-11): 80A 400V 6kV 3

16A 230/400V 6kV 2 for non-prepared conductors up to 2,5 mm<sup>2</sup>  
EN 61984 (2001-11): 400V (rated impulse withstand voltage 4kV, pollution degree 3)

<b>CXF 4/8</b>	female insert - 4 poles 80A max + 8 poles 16A max + ⊕	for enclosure size 104.27	5
<b>CXM 4/8</b>	male insert - 4 poles 80A max + 8 poles 16A max + ⊕	for enclosure size 104.27	5

C - TYPE INSERTS

#### CLASS

from page 78



#### V-TYPE IP67 with stainless steel levers

page 71

#### JE1 with zinc-plated steel levers

page 67



#### T-TYPE insulating

page 64



#### SPECIAL ENCLOSURES

IP68, central lever, EMC, and aggressive environments  
page 113



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# inserts for multipole connectors CX

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- certifications: - UL - 600V~ - with file Nr. E 115072  
- CSA - 600V~ - with file Nr. LR 82270

drawing

ILME  
part No.

description

packaging

C - TYPE INSERTS

## CX inserts

crimp contacts (to be ordererd separately according to cable section)



### 8/24 - mixed rated current (16A - 230/400V + 10A - 160V):

EN 61984 (2001-11): 16A 230/400V 4kV 3 (16A 400V 4kV 2)

EN 61984 (2001-11): 10A 160V 2,5kV 3 (10A 250V 4kV 2)

<b>CXF 8/24</b>	female insert - 8 poles 16A max + 24 poles 10A max + ⊕	for enclosure size 57.27	5
<b>CXM 8/24</b>	male insert - 8 poles 16A max + 24 poles 10A max + ⊕	for enclosure size 57.27	5

for CX 8/24 inserts: suitable contacts 16A and 10A  
tools for contacts: from page 57

### 6/36 - mixed rated current (40A - 690V + 10A - 160V):

EN 61984 (2001-11): 40A 690V 8kV 3

EN 61984 (2001-11): 10A 160V 2,5kV 3

<b>CXF 6/36</b>	female insert - 6 poles 40A max + 36 poles 10A max + ⊕	for enclosure size 77.27	30
<b>CXM 6/36</b>	male insert - 6 poles 40A max + 36 poles 10A max + ⊕	for enclosure size 77.27	30

for CX 6/36 inserts: suitable contacts 40A and 10A  
tools for contacts: from page 57

### 12/2 - mixed rated current (40A - 690V + 10A - 250V):

EN 61984 (2001-11): 40A 690V 8kV 3

EN 61984 (2001-11): 10 250V 4kV 3

<b>CXF 12/2</b>	female insert - 12 poles 40A max + 2 poles 10A max + ⊕	for enclosure size 77.27	20
<b>CXM 12/2</b>	male insert - 12 poles 40A max + 2 poles 10A max + ⊕	for enclosure size 77.27	20

for CX 12/2 inserts: suitable contacts 40A and 10A  
tools for contacts: from page 57

housings and hoods for inserts:

- single locking device: from page 64

- double locking device: from page 64

### female crimp contacts - silver plated - for CX 6/36 and CX 12/2 inserts

<b>CXFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - stripping lenght 9 mm	50
<b>CXFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - stripping lenght 9 mm	50
<b>CXFA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - stripping lenght 9,6 mm	50
<b>CXFA 6.0</b>	cable section 6 mm <sup>2</sup>	- AWG 10 - stripping lenght 9,6 mm	50

### male crimp contacts - silver plated - for CX 6/36 and CX 12/2 inserts

<b>CXMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - stripping lenght 9 mm	50
<b>CXMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - stripping lenght 9 mm	50
<b>CXMA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - stripping lenght 9,6 mm	50
<b>CXMA 6.0</b>	cable section 6 mm <sup>2</sup>	- AWG 10 - stripping lenght 9,6 mm	50

### female crimp contacts - silver plated - for CX 8/24 inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup>	- AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup>	- AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - no grooves	800

### male crimp contacts - silver plated - for CX 8/24 inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup>	- AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup>	- AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - no grooves	800

### female crimp contacts - silver plated - for CX 8/24, CX 6/36 and CX 12/2 inserts

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22 - Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - Ø 2,25 mm	1600

### male crimp contacts - silver plated - for CX 8/24, CX 6/36 and CX 12/2 inserts

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22 - Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - Ø 2,25 mm	1600

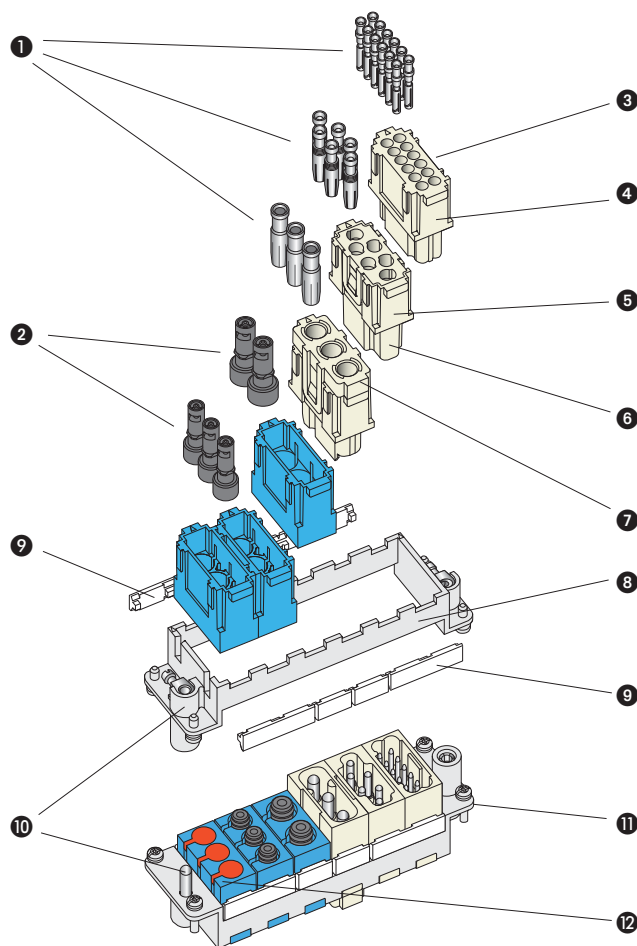
For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





### Characteristics

- ① electric contacts in silver-plated or gold-plated brass with connections to the conductors via crimping or spring or axial screw
- ② pneumatic contacts in plastic with insertion tube connection.
- ③ modular inserts of identical size with insertion system for forming the complete module and frame lock tab.
- ④ inserts in self-extinguishing thermoplastic material, reinforced with glass fibre, UL 94-V0 approved, with a working temperature range of -40 °C to +125 °C.
- ⑤ inserts in compliance with the requirements of EN 61984 standard, certified and marked with UL, CSA, CCC, GL, GOST marks.
- ⑥ inserts with asymmetric guide rails to prevent incorrect coupling.
- ⑦ position of contacts identified with numbers or codes on both sides of every insert.
- ⑧ polarized male/female module carrier frames with dedicated slots, in die-cast zinc alloy.
- ⑨ module lock tab, may be divided according to the number of modules used; guarantees a perfect stability of the modules during wiring and coupling/uncoupling of the connectors.
- ⑩ asymmetric earth contacts (two for frame) with wide contact surface prevent incorrect coupling; when two or more identical connectors of the MIXO series are used, coded pins prevent incorrect coupling (see Catalogue CN.07).
- ⑪ captive frame fastening screws, with flexible spring washer.
- ⑫ dummy module for unused frame slots.



inserts	contact type	signal type	connectors and tubes connections	rated current A	rated voltage V	No. of frame slots
<b>CX 01 YF/M</b>	main	electric	crimp	200	1000	2
<b>CX 02 GF/M</b>	main	electric	crimp	100	1000	2
<b>CX 02 4AF/M</b>	main	electric	axial screw	40	1000	1
<b>CX 03 4F/M</b>	main	electric	crimp	40	400/690	1
<b>CX 3/4 XDF/M</b>	main	electric	crimp	40/10	830	1
<b>CX 05 SF/M</b>	main	electric	spring	16	400	1
<b>CX 06 CF/M</b>	main	electric	crimp	16	500	1
<b>CX 08 CF/M</b>	main	electric	crimp	16	400	1
<b>CX 20 CF/M</b>	main	electric	crimp	16	500	2
<b>CX 12 DF/M</b>	main / auxiliary	electric	crimp	10	250	1
<b>CX 17 DF/M</b>	main / auxiliary	electric	crimp	10	160	1
<b>CX 02 HF/M</b>	main	electric	crimp	16	2900/5000	2
<b>CX 02 BF/M</b>	multiaxial connectors	---	---	---	---	2
<b>CX 01 BF/M</b>	main / auxiliary + shield	electric	crimp	10	50	---
<b>CX 01 BCF/BCM</b>	main / auxiliary + shield	electric	crimp	16	50	---
<b>CX 04 BF/M</b>	main / auxiliary + shield	electric	crimp	10	50	---
<b>CX 03 P</b>	pneumatic Ø 1.6 - 3.0 - 4.0 mm	gas / liquid **	insertion	---	---	1
<b>CX 02 P</b>	pneumatic Ø 6.0 mm	gas / liquid **	insertion	---	---	1
<b>CX FM</b>	none (dummy module)	---	---	---	---	1
<b>CX 01 JF/M</b>	RJ45 + auxiliary	electric	crimp	---	---	2
<b>CX 02 JF/M</b>	RJ45 + auxiliary	electric	crimp	---	---	3
<b>CX 01 UF/M</b>	USB	electric	---	---	---	1
<b>CX 04 LF/M</b>	POF / MOST / coaxial DIN 41626	optic / electric	crimp	---	---	1

**\*\* Warning:** For obvious reasons of safety, the VDE standard does not permit electric contacts to be present within the same connector group together with contacts for the transmission of liquids. In addition, the use of pneumatic air contacts requires an appropriate filtering and dehydration system to prevent dangerous condensation. Contacts may be used for pressure values of up to a maximum of 8 bar/116 psi.

We remind always to **check the connector air flow and/or the electrical / optical conduction** in the actual working condition on mated and coupled connectors.

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



drawing

ILME  
part No.

description

packaging

### CX 01 modular inserts - 200A - 1000V - crimp contact

crimp contacts for cable section up to 70 mm<sup>2</sup>, wire gauge AWG 2/0 (to be ordered separately)  
EN 61984 (2001-11); 200A 1000V 8kV 3 - to be used mounted on frame in bulkhead housings or high version hoods

NEW



<b>CX 01 YF</b>	female insert - 2 contacts seats	5
<b>CX 01 YM</b>	male insert - 2 contacts seats	5

**frames for CX 01 Y inserts: page 50 (module size 2 frame slots)**

**female crimp contacts - silver plated - for CX 01 Y inserts**

<b>CYFA 16</b>	cable section 16 mm <sup>2</sup> - AWG 6-5	- stripping length 15 mm	5
<b>CYFA 25</b>	cable section 25 mm <sup>2</sup> - AWG 4-3	- stripping length 15 mm	5
<b>CYFA 35</b>	cable section 35 mm <sup>2</sup> - AWG 2	- stripping length 15 mm	5
<b>CYFA 50</b>	cable section 50 mm <sup>2</sup> - AWG 1	- stripping length 15 mm	5
<b>CYFA 70</b>	cable section 70 mm <sup>2</sup> - AWG 2/0	- stripping length 15 mm	5

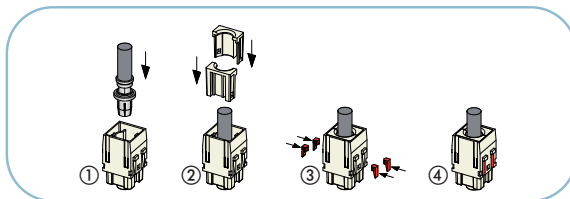
**male crimp contacts - silver plated - for CX 02 G inserts**

<b>CYMA 16</b>	cable section 16 mm <sup>2</sup> - AWG 6-5	- stripping length 15 mm	5
<b>CYMA 25</b>	cable section 25 mm <sup>2</sup> - AWG 4-3	- stripping length 15 mm	5
<b>CYMA 35</b>	cable section 35 mm <sup>2</sup> - AWG 2	- stripping length 15 mm	5
<b>CYMA 50</b>	cable section 50 mm <sup>2</sup> - AWG 1	- stripping length 15 mm	5
<b>CYMA 70</b>	cable section 70 mm <sup>2</sup> - AWG 2/0	- stripping length 15 mm	5

**tools for CX 01 inserts contacts: page 57**

**heat shrink**

<b>CR TT</b>	heat shrink tube for CYFA/CYMA 16 contacts or for conductor with total external Ø < 10 mm
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### CX 02 modular inserts - 100A - 1000V - crimp contact

crimp contacts for cable section up to 35 mm<sup>2</sup> (to be ordered separately)  
EN 61984 (2001-11); 100A 1000V 8kV 3 - to be used mounted on frame in bulkhead housings or high version hoods

NEW



<b>CX 02 GF</b>	female insert - 2 contacts seats	5
<b>CX 02 GFN</b>	female insert - 2 contacts seats - numbering poles 3÷4	5
<b>CX 02 GM</b>	male insert - 2 contacts seats	5
<b>CX 02 GMN</b>	male insert - 2 contacts seats - numbering poles 3÷4	5

**frames for CX 02 inserts: page 50 (module size 2 frame slots)**

**female crimp contacts - silver plated - for CX 02 G inserts**

<b>CGFA 16</b>	cable section 16 mm <sup>2</sup> - AWG 6-5	- stripping length 15 mm	30
<b>CGFA 25</b>	cable section 25 mm <sup>2</sup> - AWG 4-3	- stripping length 15 mm	30
<b>CGFA 35</b>	cable section 35 mm <sup>2</sup> - AWG 2	- stripping length 15 mm	30

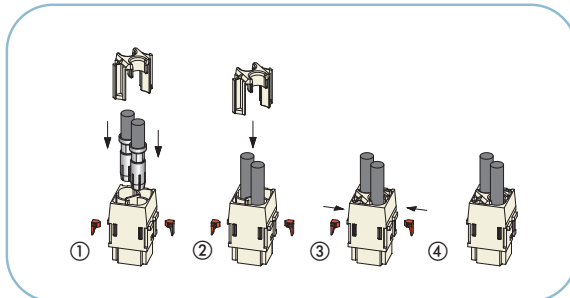
**male crimp contacts - silver plated - for CX 02 G inserts**

<b>CGMA 16</b>	cable section 16 mm <sup>2</sup> - AWG 6-5	- stripping length 15 mm	30
<b>CGMA 25</b>	cable section 25 mm <sup>2</sup> - AWG 4-3	- stripping length 15 mm	30
<b>CGMA 35</b>	cable section 35 mm <sup>2</sup> - AWG 2	- stripping length 15 mm	30

**tools for CX 02 inserts contacts: page 57**

**adaptor for eath terminal frame**

<b>CGT 16</b>	cable earthing adaptor 16 mm <sup>2</sup> - cable earthing adapter 6 mm <sup>2</sup> (AWG 6 - 5)	20
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**TO BE MOUNTED ON SUITABLE FRAMES**  
(to be ordered separately according to the required quantity of modular units)



(see page 50)



## modular inserts MIXO

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)
- approvals:
  - UL - 600V~ - with file E 115072
  - CSA - 600V~ - with file CR 82270
  - (UL and CSA except CX 3/4)

drawing

ILME  
part No.

description

packaging

### CX 03 modular inserts - 40A - 400V/690V

crimp contacts for cable section up to 6 mm<sup>2</sup>, wire gauge AWG 16÷10 (to be ordered separately)  
EN 61984 (2001-11): 40A 400V/690V 6kV 3



<b>CX 03 4F</b>	female insert - 3 contacts seats	10
<b>CX 03 4M</b>	male insert - 3 contacts seats	10

**frames for CX 03 inserts: page 50**

### CX 3/4 modular inserts - 40A - 830V + 10A - 830V

crimp contacts for cable section up to 6 mm<sup>2</sup>, wire gauge AWG 16÷10 (to be ordered separately)  
EN 61984 (2001-11): 40A 830V 8kV 3  
10A 830V 8kV 3



<b>CX 3/4 XDF</b>	female insert - 3 contacts seats 40A - 4 contacts seats 10A	10
<b>CX 3/4 XDM</b>	male insert - 3 contacts seats 40A - 4 contacts seats 10A	10

**frames for CX 03 inserts: page 50**

**female crimp contacts - silver plated - for CX 03 inserts and CX 3/4**

<b>CXFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - stripping length 9 mm	50
<b>CXFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - stripping length 9 mm	50
<b>CXFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - stripping length 9,6 mm	50
<b>CXFA 6.0</b>	cable section 6 mm <sup>2</sup> - AWG 10 - stripping length 9,6 mm	50

**male crimp contacts - silver plated - for CX 03 inserts and CX 3/4**

<b>CXMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - stripping length 9 mm	50
<b>CXMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - stripping length 9 mm	50
<b>CXMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - stripping length 9,6 mm	50
<b>CXMA 6.0</b>	cable section 6 mm <sup>2</sup> - AWG 10 - stripping length 9,6 mm	50

**female crimp contacts - silver plated - for CX 12 inserts and CX 3/4**

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22 - Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - Ø 2,25 mm	1600

**male crimp contacts - silver plated - for CX 12 inserts and CX 3/4**

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22 - Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - Ø 2,25 mm	1600

**tools for contacts: page 57**

### CX 02 modular inserts - 40A - 1000V

axial screw terminal for flexible cables from 2,5 mm<sup>2</sup> to 10 mm<sup>2</sup> (AWG14÷8) for extra flexible cables with section from 2,5 mm<sup>2</sup> to 6 mm<sup>2</sup> (AWG 14-10). Tighten with a 2 mm hexagonal key  
EN 61984 (2001-11): 40A 1000V 8kV 3



NEW



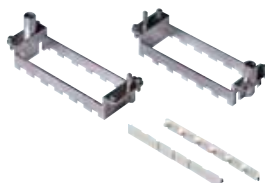
<b>CX 02 4AF</b>	female insert - 2 contacts seats - for Ø 4 mm cables, section 2,5÷8 mm <sup>2</sup>	10
<b>CX 02 4AM</b>	male insert - 2 contacts seats - for Ø 4 mm cables, section 2,5÷8 mm <sup>2</sup>	10
<b>CX 02 4BF</b>	female insert - 2 contacts seats - for Ø 4,8 mm cables, section 6÷10 mm <sup>2</sup>	10
<b>CX 02 4BM</b>	male insert - 2 contacts seats - for Ø 4,8 mm cables, section 6÷10 mm <sup>2</sup>	10

**frames for CX 02 inserts: page 50**

<b>CX AS</b>	2 mm hexagonal key	1
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**TO BE MOUNTED ON SUITABLE FRAMES**  
(to be ordered separately according to the required quantity of modular units)



(see page 50)



## modular inserts MIXO

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)
- approvals:
  - UL - 600V~ - with file E 115072
  - CSA - 600V~ - with file CR 82270  
(UL and CSA except CX 02 H)

drawing

ILME  
part No.

description

packaging

NEW



### CX 20 modular inserts - 16A - 500V

crimp contacts for cable section up to 4 mm<sup>2</sup>, wire gauge AWG 26÷12 (to be ordered separately)  
EN 61984 (2001-11): 16A 500V 6kV 3



CRIMP

**CX 20 CF** female insert - 6 contacts seats

5

**CX 20 CM** male insert - 6 contacts seats

5

**frames for CX 20 inserts: page 50 (module size 2 frame slots)**

### CX 06 modular inserts - 16A - 500V

crimp contacts for cable section up to 4 mm<sup>2</sup>, wire gauge AWG 26÷12 (to be ordered separately)  
EN 61984 (2001-11): 16A 500V 6kV 3



CRIMP

**CX 06 CF** female insert - 6 contacts seats

10

**CX 06 CM** male insert - 6 contacts seats

10

**frames for CX 06 inserts: page 50**

### CX 08 modular inserts - 16A - 400V

crimp contacts for cable section up to 4 mm<sup>2</sup>, wire gauge AWG 26÷12 (to be ordered separately)  
EN 61984 (2001-11): 16A 400V 6kV 3



CRIMP

**CX 08 CF** female insert - 8 contacts seats

10

**CX 08 CM** male insert - 8 contacts seats

10

**frames for CX 08 inserts: page 50**

NEW



### CX 02 modular inserts HV - 16A - 2900/5000V

crimp contacts for cable section up to 4 mm<sup>2</sup>, wire gauge AWG 26÷12 (to be ordered separately)  
EN 61984 (2001-11): 16A 2900/5000V 15kV 3



CRIMP

**CX 02 HF** female insert - 2 contacts seats

1

**CX 02 HM** male insert - 2 contacts seats

1

**frames for CX 02 inserts: page 50**

**CHES** contact holder removal tool for CX 02 modular inserts HT

1

**female crimp contacts - silver plated - for CX 02 - 06 - 08 - 20 inserts**

**CCFA 0.3** cable section 0,14 ÷ 0,37 mm<sup>2</sup> - AWG 26 ÷ 22 800

**CCFA 0.5** cable section 0,5 mm<sup>2</sup> - AWG 20 - no grooves 800

**CCFA 0.7** cable section 0,75 mm<sup>2</sup> - AWG 18 - 1 groove (back side) 800

**CCFA 1.0** cable section 1 mm<sup>2</sup> - AWG 18 - 1 groove 800

**CCFA 1.5** cable section 1,5 mm<sup>2</sup> - AWG 16 - 2 grooves 800

**CCFA 2.5** cable section 2,5 mm<sup>2</sup> - AWG 14 - 3 grooves 800

**CCFA 3.0** cable section 3 mm<sup>2</sup> - AWG 12 - 1 wide groove 800

**CCFA 4.0** cable section 4 mm<sup>2</sup> - AWG 12 - no grooves 800

**male crimp contacts - silver plated - for CX 02 - 06 - 08 - 20 inserts**

**CCMA 0.3** cable section 0,14 ÷ 0,37 mm<sup>2</sup> - AWG 26 ÷ 22 800

**CCMA 0.5** cable section 0,5 mm<sup>2</sup> - AWG 20 - no grooves 800

**CCMA 0.7** cable section 0,75 mm<sup>2</sup> - AWG 18 - 1 groove (back side) 800

**CCMA 1.0** cable section 1 mm<sup>2</sup> - AWG 18 - 1 groove 800

**CCMA 1.5** cable section 1,5 mm<sup>2</sup> - AWG 16 - 2 grooves 800

**CCMA 2.5** cable section 2,5 mm<sup>2</sup> - AWG 14 - 3 grooves 800

**CCMA 3.0** cable section 3 mm<sup>2</sup> - AWG 12 - 1 wide groove 800

**CCMA 4.0** cable section 4 mm<sup>2</sup> - AWG 12 - no grooves 800

**tools for contacts: page 57**

16A

**TO BE MOUNTED ON SUITABLE FRAMES**  
(to be ordered separately according to the  
required quantity of modular units)



(see page 50)

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## modular inserts MIXO

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)
- approvals:
  - UL - 600V~ - with file E 115072
  - CSA - 600V~ - with file LR 82270
  - (UL and CSA except CX 17 D)

drawing

ILME  
part No.

description

packaging

### CX 12 modular inserts - 10A - 250V

crimp contacts for cable section up to 2,5 mm<sup>2</sup>, wire gauge AWG 26÷14 (to be ordered separately)  
EN 61984 (2001-11): 10A 250V 4kV 2



<b>CX 12 DF</b>	female insert - 12 contacts seats	10
<b>CX 12 DM</b>	male insert - 12 contacts seats	10

**frames for CX 12 inserts: page 50**

### CX 17 modular inserts - 10A - 250V

crimp contacts for cable section up to 2,5 mm<sup>2</sup>, wire gauge AWG 26÷14 (to be ordered separately)  
EN 61984 (2001-11): 10A 250V 4kV 2



NEW



<b>CX 17 DF</b>	female insert - 17 contacts seats	10
<b>CX 17 DM</b>	male insert - 17 contacts seats	10

**frames for CX 17 inserts: page 50**

#### female crimp contacts - silver plated - for CX 12 and CX 17 inserts

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22	- Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	- Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	- Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	- Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	- Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	- Ø 2,25 mm	1600

#### male crimp contacts - silver plated - for CX 12 and CX 17 inserts

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22	- Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	- Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	- Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	- Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	- Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	- Ø 2,25 mm	1600

**tool for contacts: page 57**



10A



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





## modular inserts MIXO

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)
- approvals:
  - UL - 600V~ - with file E 115072
  - CSA - 600V~ - with file LR 82270
  - (UL and CSA except CX 02 P)

drawing

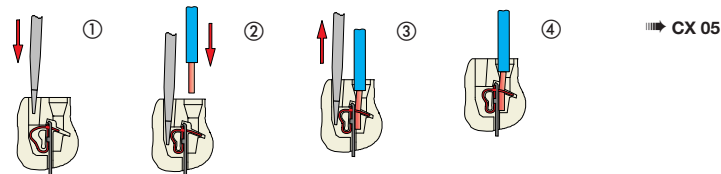
ILME  
part No.

description

packaging

### CX 05 modular inserts - 16A - 400V

spring connection for cable section  $0,14 \div 2,5 \text{ mm}^2$  up to  $1,5 \text{ mm}^2$  wire gauge AWG 26÷14  
EN 61984 (2001-11): 16A 400V 6kV 3



<b>CX 05 SF</b>	female insert - 5 contacts seats	10
<b>CX 05 SM</b>	male insert - 5 contacts seats	10

**frames for CX 05 inserts: page 50**

### CX 03 P and CX 02 P modular inserts

for pneumatic contacts for pressure values up to 8 bar, for use with liquids or gas (to be ordered separately)  
identical male and female modular units

<b>CX 03 P</b>	female insert / male - 3 contacts seats - for tubes $\varnothing 1,6 - 3,0 - 4,0$	10
<b>CX 02 P</b>	female insert / male - 2 contacts seats - for tubes $\varnothing 6,0$	10

**frames for CX P inserts: page 50**

#### female contacts without closing valve - for CX 03 P and CX 02 P inserts

<b>CX 1.6 PF</b>	for tubes with internal $\varnothing 1,6 \text{ mm}$	12
<b>CX 3.0 PF</b>	for tubes with internal $\varnothing 3,0 \text{ mm}$	12
<b>CX 4.0 PF</b>	for tubes with internal $\varnothing 4,0 \text{ mm}$	12
<b>CX 6.0 PF</b>	for tubes with internal $\varnothing 6,0 \text{ mm}$	10

#### male contacts without closing valve - for CX 03 P and CX 02 P inserts

<b>CX 1.6 PM</b>	for tubes with internal $\varnothing 1,6 \text{ mm}$	12
<b>CX 3.0 PM</b>	for tubes with internal $\varnothing 3,0 \text{ mm}$	12
<b>CX 4.0 PM</b>	for tubes with internal $\varnothing 4,0 \text{ mm}$	12
<b>CX 6.0 PM</b>	for tubes with internal $\varnothing 6,0 \text{ mm}$	10

#### female contacts with closing valve - for CX 03 P and CX 02 P inserts

to be used with male contacts without closing valve

<b>CX 1.6 VC</b>	for tubes with internal $\varnothing 1,6 \text{ mm}$	3
<b>CX 3.0 VC</b>	for tubes with internal $\varnothing 3,0 \text{ mm}$	3
<b>CX 4.0 VC</b>	for tubes with internal $\varnothing 4,0 \text{ mm}$	3
<b>CX 6.0 VC</b>	for tubes with internal $\varnothing 6,0 \text{ mm}$	2

**TO BE MOUNTED ON SUITABLE FRAMES**  
(to be ordered separately according to the  
required quantity of modular units)



(see page 50)



## modular inserts MIXO

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)
- approvals:
  - UL - 50V~ - with file E 115072
  - CSA - 50V~ - with file LR 82270
  - (UL and CSA except CX 01 BC)

drawing

ILME  
part No.

description

packaging

### CX 02 modular inserts for shielded connectors - 10A - 50V

crimp contacts for cable section up to 2,5 mm<sup>2</sup>, wire gauge AWG 26÷14 (to be ordered separately)  
EN 61984 (2001-11): 10A 50V (0,8 kV 3)



#### seats for 2 shielded connectors

<b>CX 02 BF</b>	female inserts - 2 seats for shielded connectors	5
<b>CX 02 BM</b>	male inserts - 2 seats for shielded connectors	5

#### frames for inserts CX 02: page 50 (module size 2 frame slots)

##### shielded connectors 4 contacts seats CD series

<b>CX 04 BF</b>	female inserts - 4 contacts seats + shield	10
<b>CX 04 BM</b>	male inserts - 4 contacts seats + shield	10

##### shielded connectors 1 contact seats CD series

<b>CX 01 BF</b>	female inserts - 1 contact seats + shield	10
<b>CX 01 BM</b>	male inserts - 1 contact seats + shield	10

##### female crimp contacts - silver plated - for CX 04/01 B inserts

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22 - Ø 0,90 mm	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - Ø 1,10 mm	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - Ø 1,30 mm	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - Ø 1,45 mm	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - Ø 1,75 mm	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - Ø 2,25 mm	1600

##### male crimp contacts - silver plated - for CX 04/01 B inserts

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22 - Ø 0,90 mm	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - Ø 1,10 mm	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - Ø 1,30 mm	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - Ø 1,45 mm	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - Ø 1,75 mm	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - Ø 2,25 mm	1600

##### shielded connectors 1 contact seat CC series

<b>CX 01 BCF</b>	female inserts - 1 contact seat + shield	10
<b>CX 01 BCM</b>	male inserts - 1 contact seat + shield	10

##### female crimp contacts - silver plated - for CX 01 BC inserts

<b>CCFA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCFA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCFA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

##### male crimp contacts - silver plated - for CX 01 BC inserts

<b>CCMA 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup> - AWG 26 ÷ 22	800
<b>CCMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20 - no grooves	800
<b>CCMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18 - 1 groove (back side)	800
<b>CCMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18 - 1 groove	800
<b>CCMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16 - 2 grooves	800
<b>CCMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14 - 3 grooves	800
<b>CCMA 3.0</b>	cable section 3 mm <sup>2</sup> - AWG 12 - 1 wide groove	800
<b>CCMA 4.0</b>	cable section 4 mm <sup>2</sup> - AWG 12 - no grooves	800

#### tools for contacts: from page 57

#### tool for MIXO BUS

##### tool for MIXO BUS manual extraction

<b>CX BES</b>	for the extraction of the BUS shielded connectors from the MIXO BUS insert	1
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##### metal adaptor

<b>CR GND</b>	metal adaptor for earth-connection the shield	5
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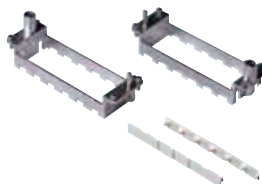
10A



16A



TO BE MOUNTED ON SUITABLE FRAMES  
(to be ordered separately according to the  
required quantity of modular units)





(see page 50)

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)

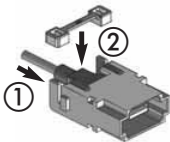


modular inserts  
MIXO

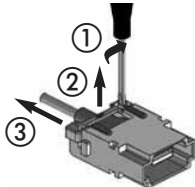
- USB connector features:
  - USB-A / USB-A Hi-Speed - 2.0 insert
  - temperature range: from -25 °C to ÷ +80 °C

drawing	ILME part No.	description		packaging
	<b>NEW</b>	modular units for 1 USB connector		
		<b>housing for USB male connectors, USB female - female connectors</b>		
		<b>CX 01 UF</b>	female insert with USB female - female connector	10
		<b>CX 01 UM</b>	male insert without USB male connector (patch cable to be ordered separately)	10
	<b>NEW</b>			
		<b>CW 2 UAM</b>	patch cable USB-A / USB-A, 2 m ** ** 5 m on request	1

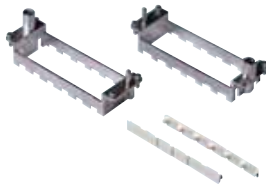
FIXING



REOPENING



**TO BE MOUNTED ON SUITABLE FRAMES**  
(to be ordered separately according to the  
required quantity of modular units)



(see page 50)



## modular inserts MIXO

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)
- RJ45 insert, Class 5 Ethernet
- nominal current: 2,1A a 70 °C
- nominal voltage: 50V cc / 35V ca
- IDC terminal: for 0,22 mm<sup>2</sup> ÷ 0,24 mm<sup>2</sup> (AWG 24) data cables for 0,34 mm<sup>2</sup> ÷ 0,38 mm<sup>2</sup> (AWG 22) power cables
- temperature range: from -20 °C ÷ +120 °C
- nickel plated brass screening
- crimp pliers: CJPZY
- screened cable stripper: CJST

drawing

ILME  
part No.

description

packaging

NEW



### CX J modular inserts for RJ45 connectors + 4 poles - 10A - 250V

crimp contacts for cable section up to 2,5 mm<sup>2</sup>, wire gauge AWG 26÷14 (to be ordered separately)  
EN 61984 (2001-11): 10A 250V 4 kV 3

#### seats for RJ45 (CX J) connectors and 4 contacts seats (CD 10A)

<b>CX 01 JF</b>	socket inserts for 1 RJ45 female connectors and for 4 10A (CDF) female contacts	5
<b>CX 01 JM</b>	plug insert for 1 RJ45 male connectors and for 4 10A (CDM) male contacts	5
<b>CX 02 JF</b>	socket inserts for 2 RJ45 female connectors and for 8 10A (CDF) female contacts	7
<b>CX 02 JM</b>	plug inserts for 2 RJ45 male connectors and for 8 10A (CDM) male contacts	7

**frames for inserts CX 01/CX 02: page 50 (CX 01 J size 2 frame slots and CX 02 J size 3 frame slots)**

NEW



#### RJ45 female connectors

<b>CX 8 JF</b>	RJ45 female connector 8 data contacts*	2
<b>CX 8/2 JF</b>	RJ45 male connector 8 data contacts / 2 power contacts*	2

\* 4 pole version on request, part No. **CX 4 JF** and **CX 4/2 JF** (female/female socket connectors with "crossover" link)

NEW



#### RJ45 male connectors

<b>CX 4 JM</b>	RJ45 male connector 4 data contacts	1
<b>CX 4/2 JM</b>	RJ45 male connector 4 data contacts / 2 power contacts	1
<b>CX 6/2 JM</b>	RJ45 male connector 6 data contacts / 2 power contacts	1
<b>CX 8 JM</b>	RJ45 male connector 8 data contacts	2
<b>CX 4E JM</b>	RJ45 male connector 4 data contacts	1

**crimping tool: CJPZ Y**

#### female crimp contacts - silver plated - for CX J inserts

<b>CDFA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22	1600
<b>CDFA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20	1600
<b>CDFA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18	1600
<b>CDFA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18	1600
<b>CDFA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16	1600
<b>CDFA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14	1600

#### male crimp contacts - silver plated - for CX J inserts

<b>CDMA 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup> - AWG 26÷22	1600
<b>CDMA 0.5</b>	cable section 0,5 mm <sup>2</sup> - AWG 20	1600
<b>CDMA 0.7</b>	cable section 0,75 mm <sup>2</sup> - AWG 18	1600
<b>CDMA 1.0</b>	cable section 1 mm <sup>2</sup> - AWG 18	1600
<b>CDMA 1.5</b>	cable section 1,5 mm <sup>2</sup> - AWG 16	1600
<b>CDMA 2.5</b>	cable section 2,5 mm <sup>2</sup> - AWG 14	1600

**tools for CX 01/02 inserts' contacts: for page 57**

### crimping tool and accessories for RJ45 inserts

#### manual crimping tool

<b>CJPZ Y</b>	crimping tool, with locking device preventing from opening until complete crimping of contacts - included the turret heads - positioner handle included	1
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#### screened cable stripper

<b>CJST</b>		1
-------------	--	---

**TO BE MOUNTED ON SUITABLE FRAMES**  
(to be ordered separately according to the  
required quantity of modular units)



(see page 50)



## modular inserts MIXO for contacts POF - MOST

- max external diameter: 2,2 mm (POF) - 2,3 mm (MOST)
- polymer fibre diameter: 1,0 mm (POF) - 1/1,5 mm (MOST)
- attenuation: < 2,5 dB
- temperature range: -40 °C ÷ +85 °C
- we recommend the use of code pins CRF CX/CRM CX

drawing

ILME  
part No.

description

packaging

NEW



### CX modular inserts

without contacts, (to be ordered separately)

<b>CX 04 LF</b>	female inserts for female contacts	10
<b>CX 04 LM</b>	male inserts for male contacts	10

MIXO INSERTS



### POF and MOST contacts

fibre optic crimp contacts

<b>CX PLF</b>	POF * female contacts 1.0 mm Ø	4
<b>CX PLM</b>	POF * male contacts 1.0 mm Ø	4
<b>CX MLF</b>	MOST *** female contacts 1/1.5 mm Ø	4
<b>CX MLM</b>	MOST *** male contacts 1/1.5 mm Ø	4

\* POF = POLYMER OPTICAL FIBRE

\*\*\* MOST = MEDIA ORIENTED SYSTEM TRANSPORT

### tools and accessories

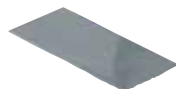
tools and accessories for fibre optic crimp contacts



<b>CLPZ R</b>	crimping tool for POF <b>CX PL</b> and MOST <b>CX ML</b> contacts (RENNSTEIG model **)	1
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<b>CLDL</b>	polishing disc (RATIOPLAST 910 PS 0SC 00 001) for POF * and MOST *** contacts	1
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<b>CLC 1</b>	polish paper - grain size 1000 (RATIOPLAST 910 PB 001 00 001)	1
<b>CLC 4</b>	polish paper - grain size 4000 (RATIOPLAST 910 PB 001 40 250)	1



<b>CLES</b>	removal tool for the extraction of contacts from the CX L inserts	1
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<b>CLSG</b>	jacket stripper (RATIOPLAST 910 AZ 001 00 PA1) for POF * and MOST *** fibre optic with PA jacket	1
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<b>CLSP</b>	fiber stripper (RATIOPLAST 910 AB 001 00 001) for POF * fibre optic	1
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<b>CLTE</b>	cable cutter (RATIOPLAST 910 SW 001 00 001) for Ø 2.3 mm max, for POF * and MOST *** fibre optic	1
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\*\* on request tool **CLPZ RATIOPLAST 910 CZ 001 00 005** for contacts POF \* crimping on the back as alternative to crimping please use glue **UHU PLUS ENDFEST 300 (BICOMPONENT)**, part No. "CL GL"

TO BE MOUNTED ON SUITABLE FRAMES  
(to be ordered separately according to the  
required quantity of modular units)



(see page 50)





## modular inserts MIXO for contacts COAXIAL

- coaxial contacts for 50  $\Omega$  coaxial cables (RG 316/U, RG 174/U and RG 188 A/U) and 75  $\Omega$  coaxial cables (RG 175 B/U, RG 187 A/U and T2C 75101)
- in accordance with standard DIN 41626 part 2

- finishing: contact surfaces and body gold plated, back end and nickel plated ferrule
- frequency range:  $\leq 2$  GHz
- reflection coefficient:  $\leq 0,1$
- rated voltage: 50V
- rated current: 1.5A
- we recommend the use of code pins CRF CX/CRM CX

drawing

ILME  
part No.

description

packaging

NEW



### CX modular inserts

without contacts, (to be ordered separately)

<b>CX 04 LF</b>	female inserts for female contacts	10
<b>CX 04 LM</b>	male inserts for male contacts	10

### coaxial contacts DIN 41626

crimp contacts. As alternative to crimping, it is possible to solder the central contact; insert the brass back end on the braid shield and crimp the ferrule with position 3.25 of crimping tool



<b>CX 50 F</b>	female coaxial contacts 50 $\Omega$	4
<b>CX 50 M</b>	male coaxial contacts 50 $\Omega$	4
<b>CX 75 F</b>	female coaxial contacts 75 $\Omega$	4
<b>CX 75 M</b>	male coaxial contacts 75 $\Omega$	4

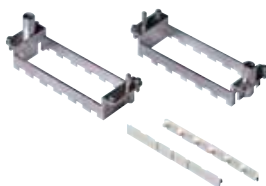
### tools and accessories for coaxial contacts

tools and accessories for coaxial crimp contacts



<b>COPZ</b>	crimping tool for <b>CX 50 F/M</b> and <b>CX 75 F/M</b> coaxial contacts (Compel model)	1
<b>CLES</b>	removal tool for the extraction of contacts from the CX L inserts	1

TO BE MOUNTED ON SUITABLE FRAMES  
(to be ordered separately according to the  
required quantity of modular units)



(see page 50)



## modular inserts MIXO

drawing

ILME  
part No.

description

packaging



### CX FM dummy module inserts

- inserts in UL recognized thermoplastic insulating self-extinguishing material
- to be mounted on the suitable frames (to be ordered separately according to the required quantity of modular units)

<b>CX FM</b>	dummy module for unused frame seats	10
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### male/female frames for modular inserts

- in die-cast zinc alloy with double earth contact, according to the VDE standards
- big earth terminal for  $4 \div 6 \text{ mm}^2$ , wire gauge AWG 12  $\div$  10 (exception CX 01 T)
- small earth terminal for  $1 \div 2,5 \text{ mm}^2$ , wire gauge AWG 18  $\div$  14
- possibility of mounting female or male modular inserts on the same frame
- with lock-in tabs to attach modular inserts (with the exception CX 01 T, it does not need lock-in tabs)

#### single frame for CZ series housings or hoods

<b>CX 01 T</b>	frame + ⊕ for 1 modular insert	for enclosure size <b>49.16</b>	6
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#### frame for hoods

<b>CX 02 TM</b>	frame + ⊕ for 2 modular inserts	for enclosure size <b>44.27</b>	30
<b>CX 03 TM</b>	frame + ⊕ for 3 modular inserts	for enclosure size <b>57.27</b>	30
<b>CX 04 TM</b>	frame + ⊕ for 4 modular inserts	for enclosure size <b>77.27</b> and <b>77.62</b>	30
<b>CX 06 TM</b>	frame + ⊕ for 6 modular inserts	for enclosure size <b>104.27</b> and <b>104.62</b>	30

#### frame for housings

<b>CX 02 TF</b>	frame + ⊕ for 2 modular inserts	for enclosure size <b>44.27</b>	30
<b>CX 03 TF</b>	frame + ⊕ for 3 modular inserts	for enclosure size <b>57.27</b>	30
<b>CX 04 TF</b>	frame + ⊕ for 4 modular inserts	for enclosure size <b>77.27</b> and <b>77.62</b>	30
<b>CX 06 TF</b>	frame + ⊕ for 6 modular inserts	for enclosure size <b>104.27</b> and <b>104.62</b>	30

#### hoods and housings for frames + inserts

- single locking device
- double locking device

#### lock-in tabs for modular inserts

<b>CX CFM</b>	dividable for 6 modular inserts	10
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The MIXO series may be used with 5 different frame sizes. The following table lists the frames and the enclosures that may be used.

frames	N. frame slot	enclosures one or two-lever
<b>CX 01 T</b>	1	size "49.16"
<b>CX 02 TM/TF</b>	2	size "44.27"
<b>CX 03 TM/TF</b>	3	size "57.27"
<b>CX 04 TM/TF</b>	4	size "77.27"
<b>CX 06 TM/TF</b>	6	size "104.27"
<b>CX 04 TM/TF (x 2)</b>	4 x 2	size "77.62"
<b>CX 06 TM/TF (x 2)</b>	6 x 2	size "104.62"

In addition, the MIXO series can be used with the COB series panel supports

frames	panel supports part No.
<b>CX 02 TM/TF</b>	fixed: <b>COB 06 BC</b> and <b>COB TCQ</b>
	free: <b>COB TSF</b> , <b>COB TSFS</b> and <b>COB 06 CMS</b>
<b>CX 03 TM/TF</b>	fixed: <b>COB 10 BC</b> and <b>COB TCQ</b>
	free: <b>COB TSF</b> , <b>COB TSFS</b> and <b>COB 10 CMS</b>
<b>CX 04 TM/TF</b>	fixed: <b>COB 16 BC</b> and <b>COB TCQ</b>
	free: <b>COB TSF</b> , <b>COB TSFS</b> and <b>COB 16 CMS</b>
<b>CX 06 TM/TF</b>	fixed: <b>COB 24 BC</b> and <b>COB TCQ</b>
	free: <b>COB TSF</b> , <b>COB TSFSz</b> and <b>COB 24 CMS</b>

#### CLASS

from page 78



#### V-TYPE IP67 with stainless steel levers

JEI with zinc-plated steel levers



#### T-TYPE insulating

page 64



#### SPECIAL ENCLOSURES

IP68, central lever, EMC, and aggressive environments

page 113



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## Guide to select the frames

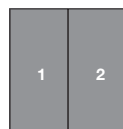
### 1) Calculate the number of frame slots taken up by the required inserts

Frame slot 1, 2 or 3 modules



size: 1 frame slot

Inserts	No. of frame slots
<b>CX 02 4AF/M</b>	1
<b>CX 02 4BF/M</b>	1
<b>CX 03 4F/M</b>	1
<b>CX 3/4 XDF/M</b>	1
<b>CX 05 SF/M</b>	1
<b>CX 06 CF/M</b>	1
<b>CX 08 CF/M</b>	1
<b>CX 12 DF/M</b>	1
<b>CX 17 DF/M</b>	1
<b>CX 03 P</b>	1
<b>CX 02 P</b>	1
<b>CX FM</b>	1
<b>CX 01 UF/M</b>	1
<b>CX 04 LF/M</b>	1



size: 2 frame slots

Inserts	No. of frame slots
<b>CX 01 YF/M</b>	2
<b>CX 02 GF/M</b>	2
<b>CX 20 CF/M</b>	2
<b>CX 02 HF/M</b>	2
<b>CX 02 BF/M</b>	2
<b>CX 01 JF/M</b>	2



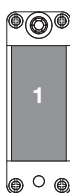
size: 3 frame slots

Inserts	No. of frame slots
<b>CX 02 JF/M</b>	3

### 2) Select the right frame according to the number of required modules

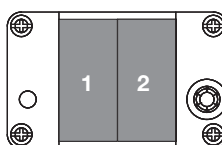
Available 1, 2, 3, 4 and 6 modules

**CX 01 T**



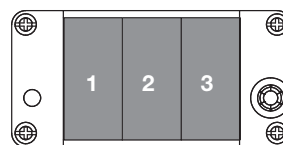
1 module

**CX 02 TF/TM**



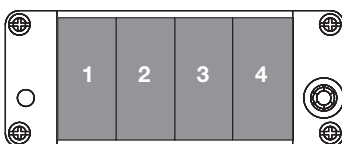
2 modules

**CX 03 TF/TM**



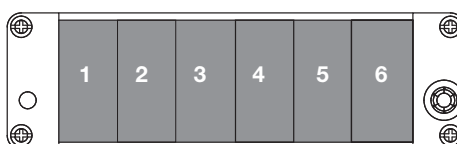
3 modules

**CX 04 TF/TM**



4 modules

**CX 06 TF/TM**



6 modules

Fill the unused frame slots by using CX FM dummy module





## modular inserts MIXO

drawing

ILME  
part No.

description

packaging

ACCESSORIES



### anchorages for MIXO series

in zinc iron, to be mounted on MIXO frames

#### ground terminals for shielded cables

possibility to insert MIXO frames with anchorages in bulkhead housings and high hoods top entry

<b>CR 06 ST</b>	MIXO frames for 2 modular inserts	5
<b>CR 10 ST</b>	MIXO frames for 3 modular inserts	5
<b>CR 16 ST</b>	MIXO frames for 4 modular inserts	5
<b>CR 24 ST</b>	MIXO frames for 6 modular inserts	5

#### anchorages for earth connecting several cables

possibility to insert MIXO frames with anchorages in bulkhead housings and high hoods

<b>CR 06 AT</b>	MIXO frames for 2 modular inserts	5
<b>CR 10 AT</b>	MIXO frames for 3 modular inserts	5
<b>CR 16 AT</b>	MIXO frames for 4 modular inserts	5
<b>CR 24 AT</b>	MIXO frames for 6 modular inserts	5

#### clamps for cables Ø 5 mm and Ø 10 mm

to be mounted on CR..ST ground terminals

<b>CR 05 CA</b>	clamp for shielding Ø 5 mm	5
<b>CR 10 CA</b>	clamp for shielding Ø 10 mm	5

### accessories

#### coding pins - in stainless steel - for 6 variants

<b>CR 20 CX</b>	for MIXO modules frame	10
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#### guide pins and bushes - in stainless steel - for 16 variants

<b>CRM CX</b>	male - for MIXO modules frame	10
<b>CRF CX</b>	female - for MIXO modules frame	10

#### coding pins -in steel - fo 6 variants

<b>CR 20 CX D</b>	for MIXO modules frame	100
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#### dual coding pins - in steel - for 16 variants

<b>CRM CX D</b>	male - for MIXO modules frame	100
<b>CRF CX D</b>	female - for MIXO modules frame	100



crimp contacts  
gold plated - iron - constantan  
for advanced opening

drawing

ILME  
part No.

description

packaging



10 A

crimp contacts - CD series - 10A - gold plated

**female crimp contacts - gold plated**

<b>CDFD 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22	200
<b>CDFD 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	200
<b>CDFD 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	200
<b>CDFD 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	200
<b>CDFD 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	200
<b>CDFD 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	200

**male crimp contacts - gold plated**

<b>CDMD 0.3</b>	cable section 0,14÷0,37 mm <sup>2</sup>	- AWG 26÷22	200
<b>CDMD 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20	200
<b>CDMD 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18	200
<b>CDMD 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18	200
<b>CDMD 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16	200
<b>CDMD 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14	200



16 A

NEW

crimp contacts CC series - 16A - iron and constantan - for thermocouples  
compliant with IEC/EN 60584 - 3 type J

**female crimp contacts - constantan**

<b>CCFC 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - with no grooves	100
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**male crimp contacts - constantan**

<b>CCMC 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - with no grooves	100
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**female crimp contacts - iron**

<b>CCFF 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - with no grooves	100
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**male crimp contacts - iron**

<b>CCMF 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - with no grooves	100
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16 A

crimp contacts CC series - 16A - gold plated

**female crimp contacts - silver plated**

<b>CCFD 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup>	- AWG 26 ÷ 22	100
<b>CCFD 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - no grooves	100
<b>CCFD 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - 1 groove (back side)	100
<b>CCFD 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - 1 groove	100
<b>CCFD 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - 2 grooves	100
<b>CCFD 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - 3 grooves	100
<b>CCFD 3.0</b>	cable section 3 mm <sup>2</sup>	- AWG 12 - 1 wide groove	100
<b>CCFD 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - no grooves	100

**male crimp contacts - silver plated**

<b>CCMD 0.3</b>	cable section 0,14 ÷ 0,37 mm <sup>2</sup>	- AWG 26 ÷ 22	100
<b>CCMD 0.5</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - no grooves	100
<b>CCMD 0.7</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - 1 groove (back side)	100
<b>CCMD 1.0</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - 1 groove	100
<b>CCMD 1.5</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - 2 grooves	100
<b>CCMD 2.5</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - 3 grooves	100
<b>CCMD 3.0</b>	cable section 3 mm <sup>2</sup>	- AWG 12 - 1 wide groove	100
<b>CCMD 4.0</b>	cable section 4 mm <sup>2</sup>	- AWG 12 - no grooves	100

crimp contacts CC series - 16A - silver plated

**male crimp contacts for anticipated opening (FBLM) - silver plated**

<b>CC 0.5 AN</b>	cable section 0,5 mm <sup>2</sup>	- AWG 20 - with no grooves	50
<b>CC 0.7 AN</b>	cable section 0,75 mm <sup>2</sup>	- AWG 18 - one groove (back side)	50
<b>CC 1.0 AN</b>	cable section 1 mm <sup>2</sup>	- AWG 18 - one groove	50
<b>CC 1.5 AN</b>	cable section 1,5 mm <sup>2</sup>	- AWG 16 - two grooves	50
<b>CC 2.5 AN</b>	cable section 2,5 mm <sup>2</sup>	- AWG 14 - three grooves	50

\* FBLM= first break last make contact

tools for contacts: from page 57



## accessories for inserts

drawing

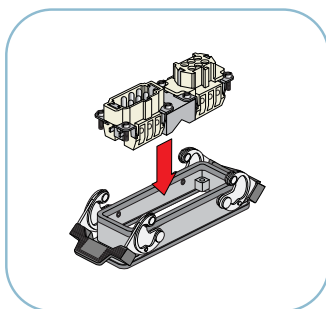
ILME  
part No.

description

packaging



	<b>insert joining block</b>	
	made of die cast aluminium alloy	
	allows female contacts and male contacts in the same enclosure	
	allows mixed type contacts in the same enclosure (i.e. CNE 6 poles + CDD 24 poles)	
<b>CBGF</b>	for mounting two inserts size 44 x 27 mm in enclosures size <b>104.27</b>	3



ACCESSORIES

### single coding and guide pins

for all inserts (except CQ 05, CD 07, CD 08, CQ 8, CQ 4/2, CQ 12 and MIXO frames)

#### single pin - stainless steel - for 6 codings

<b>CR 20</b>	for connector inserts	50
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#### dual pins - stainless steel - for 16 codings

<b>CRM</b>	male - for connector inserts	50
<b>CRF</b>	female - for connector inserts	50

#### single pin - galvanized steel - for 6 codings

<b>CR 20 D</b>	for connector inserts	50
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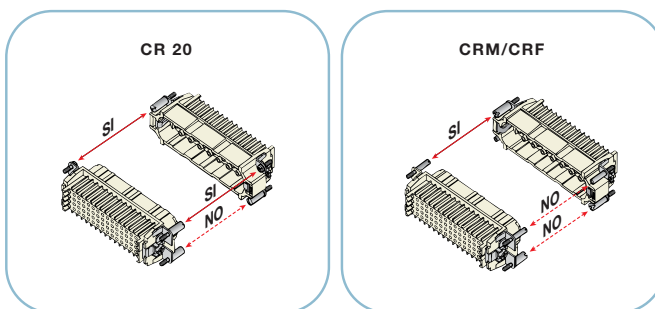
#### dual pins - galvanized steel - for 16 codings

<b>CRM D</b>	male - for connector inserts	100
<b>CRF D</b>	female - for connector inserts	50

### plastic coding pins for CQ 05, CD 07, CD 08 and CQ 12 inserts

pin to be inserted instead of a crimp contact (excepted CR Q12)

<b>CR CP</b>	for 10A crimp connector inserts	100
<b>CR CPQ</b>	for 16A crimp connector inserts	100
<b>CR Q12</b>	for CQ 12 crimp connector inserts	100



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





## accessories for inserts

drawing

ILME  
part No.

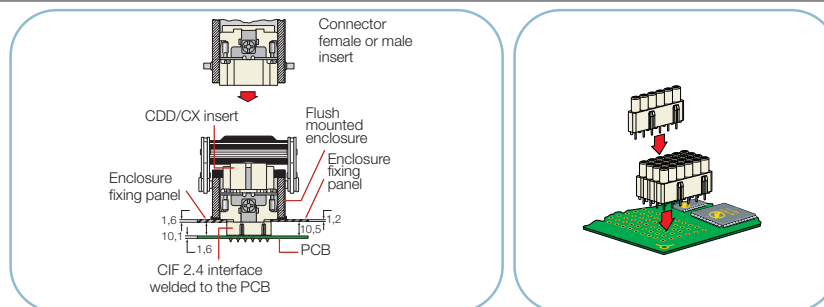
description

packaging



### interface for printed circuit board for CDD, CX 6/36 and CX 12 D inserts

<b>CIF 2.4</b>	interface module with 6 contacts	100
<b>CDFA 6A</b>	6A female contacts for female inserts - silver	100
<b>CDMA 6A</b>	6A male contacts for male inserts - silver	100



### anchorages

in zinc plated iron, to be fitted on inserts 44.27, 57.27, 77.27, 104.27

#### anchorages for shielded cables and for earth connecting several cables

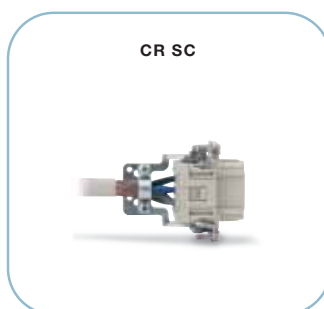
it is possible to mount MIXO frames with anchorages in bulkhead housings and high construction top entry hoods

<b>CR 06 SC</b>	for inserts 44.27	1
<b>CR 10 SC</b>	for inserts 57.27	1
<b>CR 16 SC</b>	for inserts 74.27	1
<b>CR 24 SC</b>	for inserts 104.27	1

#### clamp for cables Ø 5 mm and Ø 10 mm

to be fitted on CR..ST anchorages

<b>CR 05 CA</b>	clamp for shielding Ø 5 mm	5
<b>CR 10 CA</b>	clamp for shielding Ø 10 mm	5



### screws for inserts

#### panel fitted insert fastening screws

to be fitted as a replacement of the current insert fastening screws

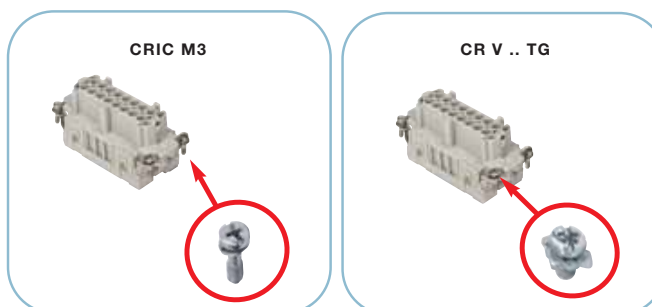
<b>CRIC M3*</b>	screws for insert	1000
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\* The approved method of mounting inserts is by fixing the four screws in an ILME enclosure or rigid panel

#### screws for second earth terminal

to be fitted in to the free threaded bare opposite to the first PE terminal

<b>CR VATG</b>	for CDA/CDC inserts	50
<b>CR VDTG</b>	for CD 15/25, CDD 38 inserts	50
<b>CR VNTG</b>	for CD 40/64, CDD 24/42/72/108, CQE, CSH, CNE, CSS, CX 8/24, CCE, CSE, CMSE, CME, CMCE inserts	50
<b>CR VPTG</b>	for CP, CX 12/2, CX 6/36, CX 4/0, CX 4/2 inserts	50



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## accessories for inserts

drawing

ILME  
part No.

description

packaging

### cable anchorages for connectors inserts and MIXO series without enclosure

zinc plated steel, to be mounted on CR SP inserts

#### anchorages for cable fixing with clamps

<b>CR 06 FS</b>	for inserts size 44.27 and MIXO frame for 2 modular inserts	1
<b>CR 10 FS</b>	for inserts size 57.27 and MIXO frame for 3 modular inserts	1
<b>CR 16 FS</b>	for inserts size 77.27 and MIXO frame for 4 modular inserts	1
<b>CR 24 FS</b>	for inserts size 104.27 and MIXO frame for 6 modular inserts	1

#### ground terminals for shielded cables

<b>CR 16 SS</b>	for inserts size 77.27 and MIXO frame for 4 modular inserts	1
<b>CR 24 SS</b>	for inserts size 104.27 and MIXO frame for 6 modular inserts	1

#### clamps for cable Ø 5 mm and Ø 10 mm

to be mounted on CR..SS ground terminals

<b>CR 05 CA</b>	clamp for shielding Ø 5 mm	5
<b>CR 10 CA</b>	clamp for shielding Ø 10 mm	5

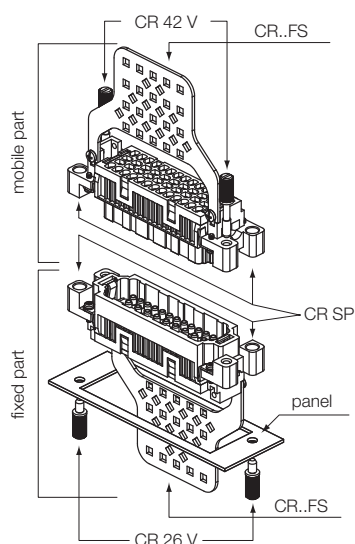
### supports screws and clamps for grip panels of cable outside enclosure

supports in die-cast zinc equipped with fixing screws and rings for earth connecting

<b>CR SP</b>	for inserts size x27 (except CT, CTS and CTSE) and MIXO frame - N°2 pieces	1
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#### screws for fixing CR SP supports

<b>CR 26 V</b>	short screws in zinc plated steel, N°2 pieces, for CR SP	1
<b>CR 42 V</b>	long screws in zinc plated steel N°2 pieces	1





## crimping tools for connectors inserts

drawing

ILME  
part No.

description

packaging

NEW



### crimping tools and accessories for 100A contacts CEMBRE manufacturing

#### manual crimping tool HT 45 CEMBRE with locator CYPZ LOC

<b>CYPZ</b>	crimping tools, with locking device preventing from opening until complete crimping of contacts <b>N.B.: it must be equipped with crimp matrixes</b>	1
<b>CGD 25 C</b>	crimp matrixes 16mm <sup>2</sup> - 200A	1
<b>CYD 35 C</b>	crimp matrixes 25mm <sup>2</sup> - 35mm <sup>2</sup> - 200A	1
<b>CYD 50 C</b>	crimp matrixes 50mm <sup>2</sup> - 200A	1
<b>CYD 70 C</b>	crimp matrixes 70mm <sup>2</sup> - 200A	1

### crimping tools and accessories for 100A contacts CEMBRE manufacturing

#### manual crimping tool HT 45 CEMBRE with locator CGPZ LOC

<b>CGPZ</b>	crimping tools, with locking device preventing from opening until complete crimping of contacts <b>N.B.: it must be equipped with crimp matrixes</b>	1
<b>CGD 16 C</b>	crimp matrixes 16mm <sup>2</sup> - 100A	1
<b>CGD 25 C</b>	crimp matrixes 25mm <sup>2</sup> - 100A	1
<b>CGD 35 C</b>	crimp matrixes 35mm <sup>2</sup> - 100A	1
<b>CGPZ VLG</b>	carrying case CGPZ - CYPZ	1



### crimping tools and accessories for RJ45 insert

#### manual crimping tool YAMAICHI

<b>CJPZ Y</b>	crimping tool, with locking device preventing from opening until complete crimping of contacts - included turret heads - positioner handle included	1
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### screened cable stripper

<b>CJST</b>		1
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### crimping tools and accessories for CD 10A and CC 16A contacts

#### manual crimping tool

<b>CCPZ TP</b>	crimping tool for <b>10A</b> and <b>16A</b> contacts RENNSTEIG model (turret included)	1
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#### insertion tool removal tools - tip

<b>CCINA</b>	for insertion of the contacts into the inserts for crimped contacts up to 0,75 mm <sup>2</sup>	10
<b>CCES</b>	for the extraction of contacts 10A <sup>1)</sup> from the inserts	1
<b>CQES</b>	for the extraction of contacts 16A <sup>2)</sup> from the inserts	1

<sup>1)</sup> for CD, CDD, CQ 12, CQ 04/2 (10A auxiliary contacts) CX inserts  
(10A auxiliary contacts) and MIXO module (10A)

<sup>2)</sup> for CQ, CQE, CCE, CMCE inserts (excluded 16+2) and MIXO module (16A) for CDC, CMCE (16+2)

for CDC, CMCE (16+2) and CX 8/24 insert (contacts 16A) using  
a 3 mm flat screwdriver

#### removal tool

<b>CCPR RN</b>	replacement tip for CCES removal tool	1
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ACCESSORIES



## crimping tools for connectors inserts

drawing	ILME part No.	description	packaging
<b>crimping tools and accessories for 10A and 16A</b>			
	<b>CCPZ MIL</b>	<b>manual crimping tool AF8</b> crimping is performed with 8 pressure points, with locking device preventing from opening until complete crimping of contacts in compliance with MIL-C-22520/1 (part number M22520/1-01) <b>N.B.: it must be equipped with the turret heads CCTP 10 and/or CCTP 16</b>	0
		<b>pneumatic crimping tool WA27F DANIELS</b> crimping is performed with 8 pressure points, with locking device preventing from opening until complete crimping of contacts <b>N.B.: it must be equipped with the turret heads CCTP 10 and/or CCTP 16, optionally with the pneumatic control device (i.e. CCVPP) and support (CCSPZP)</b>	1
		<b>support for pneumatic crimping tool</b> in steel with fixing plate and blocking device allowing to secure the tool at any angle for individual comfort	1
		<b>pneumatic foot valve for pneumatic crimping tool</b> for the control of the crimping operation	1
		<b>turret heads for CCPZ MIL and CCPZP tools</b> <b>CCTP 10</b> for male and female contacts 10A (inserts type CD-CDD-MIXO-CX) suitable for crimping wire section 0,14 ÷ 2,5 mm <sup>2</sup> <b>CCTP 16</b> for male and female contacts 16A (inserts type CCE-CDC-CMC-MIXO-CQ-CQE-CX) suitable for crimping wire section 0,14 ÷ 4 mm <sup>2</sup>	1 1
	<b>CCPZPA</b>	<b>pneumatic automatic crimping tool WA27FAP DANIELS</b> crimping is performed with 8 pressure points, with positioner and automatic device for the crimping complete cycle provided with support <b>N.B.: it must be equipped with the positioner inserts (CCTPADM and CCTPADF) to be ordered according to the type of contacts to be crimped</b>	1
		<b>positioner inserts for CCPZPA tool</b> <b>for male and female contacts 10A (inserts type CD-CDD-MIXO-CX)</b> <b>CCTPADM</b> male contacts, for wire section 0,14 ÷ 2,5 mm <sup>2</sup> <b>CCTPADF</b> female contacts, for wire section 0,14 ÷ 2,5 mm <sup>2</sup>	1 1
		<b>for male and female contacts 16A (inserts type CCE-CDC-CMC-MIXO-CQ-CQE-CX)</b> <b>CCTPACM</b> male contacts, for wire section 0,5 ÷ 4 mm <sup>2</sup> <b>CCTPACF</b> female contacts, for wire section da 0,5 ÷ 4 mm <sup>2</sup>	1 1
	<b>gauge and tools</b>		
		<b>control gauge for CCPZ MIL, CCPZP and CCPZPA</b> go/no go in order to check the tool is working according to specifications in compliance with MIL-C-22520/3 MIL-C-22520/3	1
 		<b>insertion tool</b> <b>CCINA</b> for insertion of the contacts into the inserts for crimped contacts up to 0,75 mm <sup>2</sup>	10
		<b>removal tools for contacts</b> <b>CCES</b> for the extraction of contacts 10A from the inserts (extraction from the front)	1
		<b>CCPR RN</b> replacement tip for CCES removal tool	1
		<b>CQES</b> for the extraction of contacts 16A from the inserts (extraction from the back)	1



## crimping tools for connectors inserts

drawing	ILME part No.	description	packaging
<b>crimping tools and accessories for 40A</b>			
	<b>CXPZ D</b>	<b>manual crimping tool M309</b> crimping is performed with 8 pressure points, with locking device preventing from opening until complete crimping of contacts <b>N.B.: it must be equipped with the turret heads CXTP 40 M/F</b> - suitable for crimping wire section 1,5 ÷ 4 mm <sup>2</sup> - for contacts with section 6 mm <sup>2</sup> the pneumatic crimping tool Part No. CXPZP D must be used (on request)	1
	<b>CXPZP D</b>	<b>pneumatic crimping tool DANIELS WA27-309-EP</b> crimping is performed with 8 pressure points, with locking device preventing from opening until complete crimping of contacts <b>N.B.: it must be equipped with the turret heads CXTP 40 M and/or CXTP 40 F, optionally with the pneumatic control device (i.e. CCVPP), and support (CCSPZP)</b>	1
	<b>CCSPZP</b>	<b>support for pneumatic crimping tool</b> in steel with fixing plate and blocking device allowing to secure the tool at any angle for individual comfort	1
	<b>CCVPP</b>	<b>pneumatic foot valve for pneumatic crimping tool</b> for the control of the crimping operation	1
	<b>CXTP 40 M</b>	<b>turret heads for CXPZ D and CXPZP D tool</b> DANIELS TM321 for male contacts 40A for wire section 1,5 ÷ 6 mm <sup>2</sup>	1
	<b>CXTP 40 F</b>	DANIELS TP1322 for female contacts 40A for wire section 1,5 ÷ 6 mm <sup>2</sup>	1
<b>gauge and tool</b>			
	<b>CXPNP</b>	<b>control gauge for CXPZ D and CXPZP D tools</b> go/no go in order to check the tool is working according to specifications	1
	<b>CXES</b>	<b>removal tool for contacts</b> for the extraction of contacts 40A from inserts CX and MIXO series (extraction from the back)	1
<b>crimping tool and accessories for 10A, 16A, 40A</b>			
	<b>CCPZ RN</b>	<b>manual crimping tool PEW 8.75 RENNSTEIG</b> crimping is performed with 8 pressure points, with locking device preventing from opening until complete crimping of contacts - equipped with the turret heads - positioner handle - suitable for crimping wire section 0,14 ÷ 6 mm <sup>2</sup>	1
	<b>CCPNP RN</b>	<b>control gauge for CCPZ RN crimping tool</b> go/no go in order to check the tool is working according to specifications	1
<b>tools and accessories for crimp contacts</b>			
	<b>CCPZ RA</b>	<b>replacement tip for CCES removal tool</b> crimping tool for <b>10A, 16A and 40A</b> contacts, RENNSTEIG CM12 model (turret and control gauge included)	1
		Insertion tool and removal tool page 57	

## T - TYPE



page 64

## JEI



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## V - TYPE



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## CLASS



page 78

## 180°C



page 117

## W



page 119

## CENTRAL LEVER



page 116

## EMC



page 118

## IP68



page 112

## COB



page 107





#### Identification of the enclosures

There are a large number of connector inserts and relative enclosures and so the search for a correct combination may be complex.

As well as the normal item part No., to facilitate this operation a further identification parameter has been introduced in this catalogue, the **"size"** value.

As indicated in the illustration on the left and in the table below the size value refers to the screw fixing centre distances which constitute a unique element since they are common to both the inserts and the enclosures.

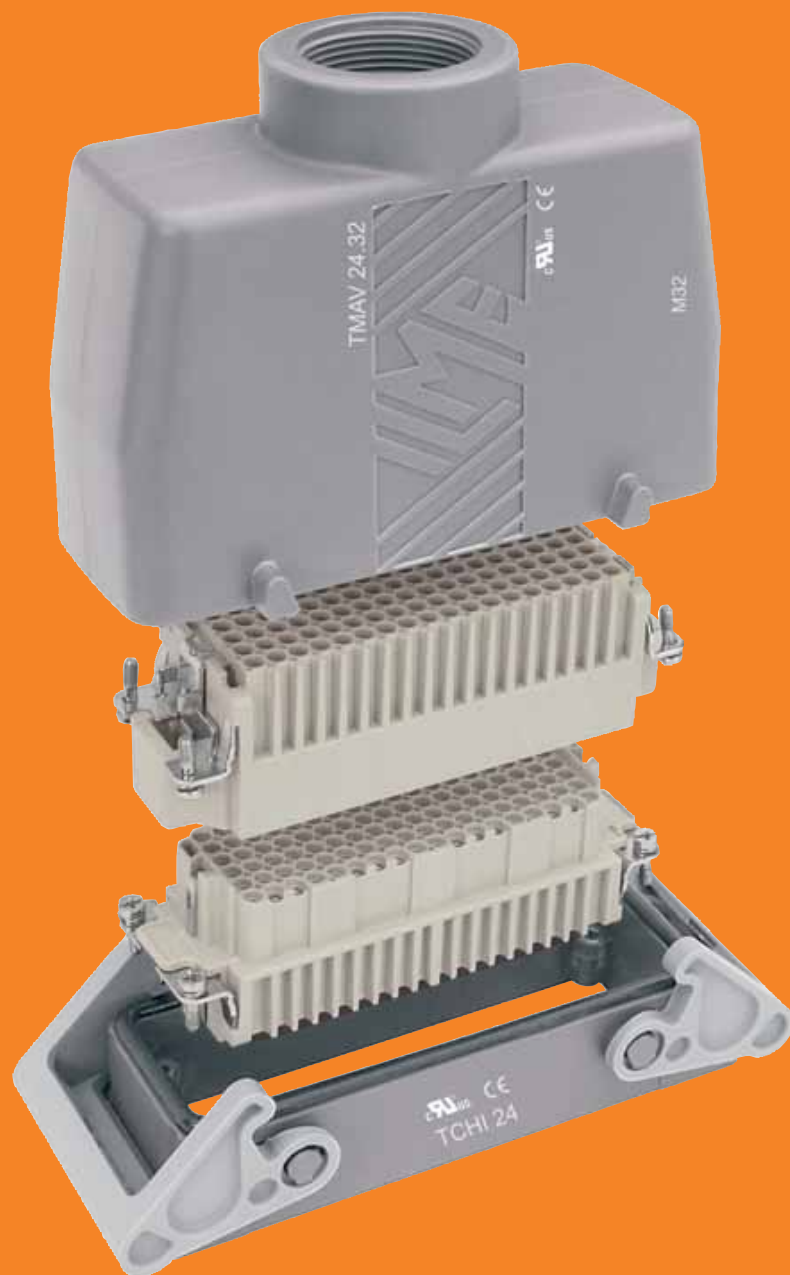
All the pages that illustrate combinable articles (inserts and enclosures) carry references as per the examples illustrated on the opposite page.

Following is a table that shows all the sizes of the enclosures and the dimensions of the housings where the inserts will be fastened.

enclosure "size" identification	housing space for inserts with screw fixing centre distance x-y
"21.21"	(21 x 21 mm)**
"32.13"	32 x 13 mm
"49.16"	49.5 x 16 mm
"66.16"	66 x 16 mm
"66.40"	66 x 16 mm (2 inserts)
"44.27"	44 x 27 mm
"57.27"	57 x 27 mm
"77.27"	77.5 x 27 mm
"104.27"	104 x 27 mm
"77.62"	77.5 x 27 mm (2 inserts)
"104.62"	104 x 27 mm (2 inserts)

\*\* with dimensions relative to the size of the sectioned inserts the screw fixing centre distance cannot be given because they only have one screw.

# T-Type Insulating enclosures





## Insulating enclosures "T-Type" series

Alongside the wide range of traditional metal enclosures for ILME multipole connectors, there is now available a **new series of enclosures in self-extinguishing thermoplastic material** in the most common sizes of "44.27", "57.27", "77.27" and "104.27".

**Quality and low cost** are the main features of these enclosures, as an outcome of careful product studies.

Valuable characteristics of these new enclosures:

- **structurally solid and mechanically robust**, due to their **increased thickness**;
- **resistance to the main chemical agents**, found in industrial environments (see tab. page 3);
- **pre-fastened gaskets** for easier installation;
- **external dimensions** of the bulkhead-mount housings are **similar to those of the corresponding metal housings**; **hole fixing centres are unchanged**;
- wide **space inside enclosures for cables**, with mounted connectors, similar to their corresponding metal version high construction enclosures;
- the possibility with their use to create **total insulation** constructions (equivalent to class II) □;
- the **surface mounting**, high construction housings are supplied **with an open threaded entry and diametrically opposite a closed threaded entry**, which can be opened by the user, if required (with suitable tool);
- **absence of powder paint** for environments in which these are not recommended;
- **non-electrostatic** thermoplastic material.
- manufactured from insulating material, they **do not require a special reinforced insulation** as metal ones do, for use with series **CME** higher voltage connector inserts (screw-type terminals);
- degree of protection for coupled connectors is **IP65** according to norm **IEC/EN 60529**;
- **UL Type 12** (= NEMA 12) degree of protection according to American standards **ANSI/UL 50** and **UL 50E** for indoor use;
- each enclosure carries its own part number and conformity markings;
- ambient temperature limits -40 °C / +90 °C.



T - TYPE

- bulkhead housings;



- surface mounting housings (with one open threaded entry and one closed entry);



- single lever, side and top entry, for size ("44.27");



- cover (for housings and hoods with levers);



- side entry hood;



- top entry hood;



- double lever for other sizes ("57.27, 77.27, 104.27")



All used materials conform with the **RoHS 2002/95/EC Directive** and all further modifications.

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## Insulating enclosures T-TYPE with single lever

- housings and lever in thermoplastic material self-extinguishing
- the enclosures ensure IP65 protection rating when mated and locked with the closing levers (in compliance with EN 60529) to be completed with cable glands
- pre-fastened gasket
- UL Type 12 (Nema 12) degree of protection according to ANSI/UL 50

ILME  
part No. description

packaging

### bulkhead mounting housings for inserts single locking device - IP65 (EN 60529)

**to be coupled with:** TMAO L, CHO L, CAO L, TMAV L, CHV L, CAV L hoods and TCHC L covers for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CDD, CQE, MIXO inserts

NEW



<b>TCHI 06 L</b>	size 44.27	40
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### surface mounting housings for inserts single locking device - IP65 (EN 60529)

**to be coupled with:** TMAO L, CHO L, CAO L, TMAV L, CHV L, CAV L hoods and TCHC L covers for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, CQE, MIXO inserts

NEW



<b>TMAP 06 L25</b>	size 44.27	- threading M25	20
<b>TMAP 06 L32</b>	size 44.27	- threading M32	20

### hoods for inserts side entry - IP65 (EN 60529)

**to be coupled with:** TCHI L, C71 L, JCVI L mounting housings and TMAP L, C7P L, JCVP L for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, CQE, MIXO inserts

NEW



<b>TMAO 06 L25</b>	size 44.27	- threading M25	20
<b>TMAO 06 L32</b>	size 44.27	- threading M32	20

### hoods for inserts top entry - IP65 (EN 60529)

**to be coupled with:** TCHI L, C71 L, JCVI L mounting housings and TMAP L, C7P L, JCVP L for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, CQE, MIXO inserts

NEW



<b>TMAV 06 L25</b>	size 44.27	- threading M25	20
<b>TMAV 06 L32</b>	size 44.27	- threading M32	20

### protection covers with pegs without gasket - IP65 (EN 60529)

**to be coupled with:** TCHI L, CHI L, C71 L, JCVI L mounting housings and TMAP L, CHP L, C7P L, JCVP L

NEW



<b>TCHC 06 L</b>	size 44.27	5
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#### Interchangeability with other ILME series

TCH series housings can be coupled with metal hoods; insulating hoods can be coupled with "V-Type" metal housings.

The hood "57.27", "77.27" and "104.27" can be mounted on **COB TCQ** and **COB BC** frames simply by replacing the supplied levers with **COB L** levers (to be purchased in addition).

Insulating enclosures are ideal for mounting of all ILME inserts with the exception of series models CT 40/ 64 and CTS 40/ 64 connector. Inserts with 45° terminals of the CT series (screw-type terminals) and CTSE (spring terminals) are only insertable from the front (therefore not from the back) of the bulkhead housing. Being made by insulating material, they do not require a special reinforced insulation as metal ones do, for use with series CME higher voltage connector inserts (screw-type terminals).

With the exception of the limitations described below, it is generally possible to mount the MIXO series modular connectors and frames with the ground and screen anchors dedicated to this series.

#### Limitations

With respect to enclosures in metal alloy, ILME insulating enclosures have some limitations of use in combination with particular accessories:

- CRZ 06/ 10/ 16/ 24 reduction plates cannot be mounted with TCHI bulkhead housings due to increased dimensions of the fastening flange of these enclosures.
- The CYG 16 in-line joint cannot be mounted on the TCHI 16 bulkhead housing because the gaskets of the latter do not fit together with the joint profile.
- The CYR 16.3 and CYR 24.4 round cable feed-throughs are difficult to position on their respective TCHI 16 and TCHI 24 bulkhead housings.
- CPT 24 disposable protection cover cannot be mounted on enclosures due to increased outer dimensions of these enclosures.
- MIXO series insert anchors cannot be mounted on TMAO 06/ 10 enclosures.
- CN insert anchors cannot be mounted on TMAO 06/ 10 enclosures.
- When using both cable entries of surface mounting housings, the conduit shall be of insulating type.

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## Insulating enclosures T-TYPE double lever

- housings and lever in thermoplastic material self-extinguishing
- the enclosures ensure IP65 protection rating when mated and locked with the closing levers (in compliance with EN 60529).
- to be completed with cable glands
- pre-fastened gasket
- UL Type 12 (Nema 12) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging

### bulkhead mounting housings with levers - IP65 (EN 60529)

**to be coupled with:** TMAO, TMAV, CHO, CAO CHV, CAV hoods and TCHC covers  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT 10/16/24, CD 40/64, CDD, CQE, CMCE, CMSE, CME, CP, CX, MIXO inserts

NEW



<b>TCHI 10</b>	size 57.27	40
<b>TCHI 16</b>	size 77.27	40
<b>TCHI 24</b>	size 104.27	40

### surface mounting housings for inserts single locking device - IP65 (EN 60529)

**to be coupled with:** TMAO, TMAV, CHO, CAO CHV, CAV hoods and TCHC covers  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE, CMSE, CME, CP, CX, MIXO inserts

NEW



<b>TMAP 10.25</b>	size 57.27	- threading M25	20
<b>TMAP 10.32</b>	size 57.27	- threading M32	20
<b>TMAP 16.32</b>	size 77.27	- threading M32	20
<b>TMAP 16.40</b>	size 77.27	- threading M40	20
<b>TMAP 24.32</b>	size 104.27	- threading M32	20
<b>TMAP 24.40</b>	size 104.27	- threading M40	20

### hoods for inserts side entry - IP65 (EN 60529)

**to be coupled with:** TCHI, C7I, JCVI mounting housings and TMAP, C7P, JCVP surface mounting housings  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE, CMSE, CME, CP, CX, MIXO inserts

NEW



<b>TMAO 10.25</b>	size 57.27	- threading M25	20
<b>TMAO 10.32</b>	size 57.27	- threading M32	20
<b>TMAO 16.32</b>	size 77.27	- threading M32	20
<b>TMAO 16.40</b>	size 77.27	- threading M40	20
<b>TMAO 24.32</b>	size 104.27	- threading M32	20
<b>TMAO 24.40</b>	size 104.27	- threading M40	20

### hoods for inserts top entry - IP65 (EN 60529)

**to be coupled with:** TCHI, C7I, JCVI mounting housings and TMAP, C7P, JCVP surface mounting housings  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE, CMSE, CME, CP, CX, MIXO inserts

NEW



<b>TMAV 10.25</b>	size 57.27	- threading M25	20
<b>TMAV 10.32</b>	size 57.27	- threading M32	20
<b>TMAV 16.32</b>	size 77.27	- threading M32	20
<b>TMAV 16.40</b>	size 77.27	- threading M40	20
<b>TMAV 24.32</b>	size 104.27	- threading M32	20
<b>TMAV 24.40</b>	size 104.27	- threading M40	20

### protection covers with pegs without gasket - IP65 (EN 60529)

**to be coupled with:** TCHI, CHI, C7I, JCVI mounting housings TMAP, CHP, C7P, JCVP surface mounting housings

NEW



<b>TCHC 10</b>	size 57.27	5
<b>TCHC 16</b>	size 77.27	5
<b>TCHC 24</b>	size 104.27	5

#### Interchangeability with other ILME series

TCH series housings can be coupled with metal hoods; insulating hoods can be coupled with "V-Type" metal housings.

The hood "57.27", "77.27" and "104.27" can be mounted on **COB TCQ** and **COB BC** frames simply by replacing the supplied levers with **COB L** levers (to be purchased in addition).

Insulating enclosures are ideal for mounting of all ILME inserts with the exception of series models CT 40/ 64 and CTS 40/ 64 connector. Inserts with 45° terminals of the CT series (screw-type terminals) and CTSE (spring terminals) are only insertable from the front (therefore not from the back) of the bulkhead housing. Being made by insulating material, they do not require a special reinforced insulation as metal ones do, for use with series CME higher voltage connector inserts (screw-type terminals).

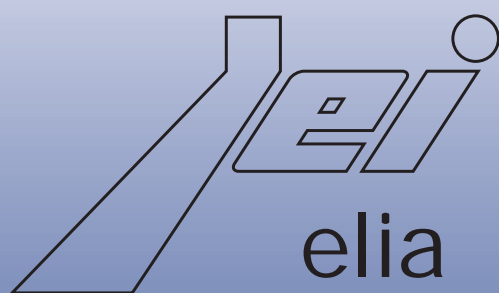
With the exception of the limitations described below, it is generally possible to mount the MIXO series modular connectors and frames with the ground and screen anchors dedicated to this series.

#### Limitations

With respect to enclosures in metal alloy, ILME insulating enclosures have some limitations of use in combination with particular accessories:

- CRZ 06/ 10/ 16/ 24 reduction plates cannot be mounted with TCHI bulkhead housings due to increased dimensions of the fastening flange of these enclosures.
- The CYG 16 in-line joint cannot be mounted on the TCHI 16 bulkhead housing because the gaskets of the latter do not fit together with the joint profile.
- The CYR 16.3 and CYR 24.4 round cable feed-throughs are difficult to position on their respective TCHI 16 and TCHI 24 bulkhead housings.
- CPT 24 disposable protection cover cannot be mounted on enclosures due to increased outer dimensions of these enclosures.
- MIXO series insert anchors cannot be mounted on TMAO 06/ 10 enclosures.
- CN insert anchors cannot be mounted on TMAO 06/ 10 enclosures.
- When using both cable entries of surface mounting housings, the conduit shall be of insulating type.

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



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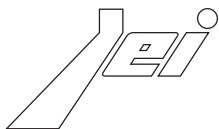


- inserts in light technopolymer
  - tinned precision contacts
- enclosures in die-cast aluminum alloy
- vertical safety closing levers in zinc-plated steel





## bulkhead and surface mounting housings with double locking device



- grey RAL 7040 painted
- housings with zinc-plated steel levers
- the enclosures ensure IP protection rating when mated and locked with the closing levers (in compliance with EN 60529), to be completed with cable glands
- UL Type 12 (Nema 12), Type 4 (Nema 4) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging

### bulkhead mounting housings with levers - IP66 (EN 60529)

**to be coupled with:** hoods without gasket, with pegs for two levers

closing covers with pegs for two levers

for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CTS, CT, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)



#### standard version

JCVI 10	size 57.27	40
JCVI 16	size 77.27	40
JCVI 24	size 104.27	40

### Pg threading and metric threading - surface mounting housings with levers - IP66 (EN 60529)

**to be coupled with:** hoods without gasket, with pegs for two levers

protection covers with pegs for two levers

for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)



Pg part No.	standard version	Metric part No.	
JCVP 10	size 57.27 - Pg 16	JMVP 10.20	size 57.27 - M20 20
JCVP 16	size 77.27 - Pg 21	JMVP 16.25	size 77.27 - M25 20
JCVP 24	size 104.27 - Pg 21	JMVP 24.25	size 104.27 - M25 20

- high version enclosures upon request

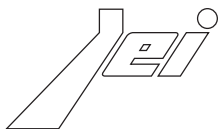
#### hoods from page 90



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## bulkhead and surface mounting housings with single locking device



- painted with grey RAL 7040
- for inserts size 44.27, 57.27, 77.27, 104.27 and 104.62
- housings with zinc-plated steel levers
- the enclosures ensure IP protection rating when mated and locked with the closing levers (in compliance with EN 60529). to be completed with cable glands
- UL Type 12 (Nema 12), Type 4 (Nema 4) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### bulkhead mounting housings with single lever - IP66 (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
closing covers with pegs for one lever  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CTS, CT, CD 40/64, CDD, CQE, CME 20/32, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### standard version

JCVI 06 L	size 44.27	40
JCVI 10 L	size 57.27	20
JCVI 16 L	size 77.27	20
JCVI 24 L	size 104.27	20
JCHI 48 L	size 104.62	4

JEI



### Pg threading and metric threading - wall-mounting housings with single lever - IP66 (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
closing covers with pegs for one lever  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CME 20/32, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

Pg part No.	standard version	Metric part No.			
JCVP 06 L	size 44.27 - Pg 16	JMVP 06 L20	size 44.27	- M20	20
JCVP 10 L	size 57.27 - Pg 16	JMVP 10 L20	size 57.27	- M20	10
JCVP 16 L	size 77.27 - Pg 21	JMVP 16 L25	size 77.27	- M25	10
JCVP 24 L	size 104.27 - Pg 21	JMVP 24 L25	size 104.27	- M25	10
JCHP 48 L	size 104.62 - Pg 36 x 2	JMHP 48 L40	size 104.62	- M40 x 2	4

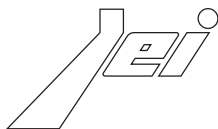
- high version enclosures upon request
- housings 104.62 with zinc-plated steel levers

hoods form page 83





## bulkhead and surface mounting housings with single locking device



- painted with grey RAL 7040
- JCVI LP / JCVP LP enclosures with lever in zinc-plated steel and cover in thermoplastic insulating self-extinguishing material
- for inserts size 44.27, 57.27, 77.27, 104.27
- IP degree of protection in accordance with EN 60529,
- the enclosures ensure IP protection rating when closed cover and locked with the closing levers (in compliance with EN 60529) to be completed with cable glands

ILME  
part No.

description

packaging

### bulkhead mounting housings with lever and cover - IP66\* (EN 60529)

**to be coupled with:** hoods with pegs for one lever

for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

\* The enclosures ensure IP65 protection rating when cover closed and locked with the closing levers



#### standard version

JCVI 06 LP	size 44.27	20
JCVI 10 LP	size 57.27	20
JCVI 16 LP	size 77.27	20
JCVI 24 LP	size 104.27	20

### Pg threading and metric threading - surface mounting housings with lever and cover - IP66\* (EN 60529)

**to be coupled with:** hoods with pegs for one lever

for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

\* The enclosures ensure IP65 protection rating when cover closed and locked with the closing levers



Pg part No.	standard version		Metric part No.			
JCVP 06 LP	size 44.27	- Pg 16	JMVP 06 LP20	size 44.27	- M20	10
JCVP 10 LP	size 57.27	- Pg 16	JMVP 10 LP20	size 57.27	- M20	10
JCVP 16 LP	size 77.27	- Pg 21	JMVP 16 LP25	size 77.27	- M25	10
JCVP 24 LP	size 104.27	- Pg 21	JMVP 24 LP25	size 104.27	- M25	10

- high version enclosures upon request

#### hoods form page 83



# V-Type IP67





bulkhead and surface mounting housings  
with double locking device

## V-TYPE IP67

- painted with grey RAL 7040
- for inserts size 57.27, 77.27, 104.27
- the enclosures ensure IP protection rating when mated and locked with the closing levers (in compliance with EN 60529) to be completed with cable glands
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging

### bulkhead mounting housings with stainless steel levers - IP67\* (EN 60529)

**to be coupled with:** hoods without gasket, with pegs for two levers

closing covers with pegs for two levers

for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CTS, CT, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

\*Thanks to V-Type vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).



#### standard version

<b>C7I 10</b>	size 57.27	40
<b>C7I 16</b>	size 77.27	40
<b>C7I 24</b>	size 104.27	40

For bulkhead mounting housings, the IP66/IP67 protection class is guaranteed if the housings are fitted on sufficiently rigid panels, M4 screws of suitable length (negligible bending of the surface when exposed to the tightening torque of 0.8-1.2Nm of the fixing screws or to the deformations caused by the actual weight of the complete connector).

If rigidity is insufficient, is advisable to use CG .. FL flanges (page 115), M4 screws of suitable length and M4 flat/elastic washers (for the housing side) and M6 flat/elastic washers (for the flange side) with M4 locking nuts.

It is also important to check that the panel in contact with the gasket of the flush-mounted housing flange is free from imperfections (deep scratches, grooves, burs) that could affect the operation of the gasket.

### Pg threading and metric threading - surface mounting housings housings with stainless steel levers - IP67\* (EN 60529)

**to be coupled with:** hoods without gasket, with pegs for two levers

closing covers with pegs for two levers

for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

\*Thanks to V-Type vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).



V - TYPE

Pg part No.	standard version		Metric part No.			
<b>C7P 10</b>	size 57.27	- Pg 16	<b>M7P 10.20</b>	size 55.27	- M20	20
<b>C7P 16</b>	size 77.27	- Pg 21	<b>M7P 16.25</b>	size 77.27	- M20	20
<b>C7P 24</b>	size 104.27	- Pg 21	<b>M7P 24.25</b>	size 104.27	- M25	20

- high version enclosures upon request

#### hoods page 90



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



bulkhead and surface mounting housings  
with single locking lever

## V-TYPE IP67

- painted with grey RAL 7040
- for inserts size 44.27, 57.27, 77.27, 104.27
- the enclosures ensure IP protection rating when mated and locked with the closing levers (in compliance with EN 60529) to be completed with cable glands
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging

### bulkhead mounting housings with stainless steel lever - IP67\* (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
closing covers with pegs for one lever  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CDD, CQE and MIXO inserts  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9).  
\*Thanks to V-Type vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).



#### versione standard

**C71 06 L** size 44.27

40

For bulkhead mounting housings, the IP66/IP67 protection class is guaranteed if the housings are fitted on sufficiently rigid panels, M4 screws of suitable length (negligible bending of the surface when exposed to the tightening torque of 0.8-1.2Nm of the fixing screws or to the deformations caused by the actual weight of the complete connector).

If rigidity is insufficient, is advisable to use CG .. FL flanges (page 115), M4 screws of suitable length and M4 flat/elastic washers (for the housing side) and M6 flat/elastic washers (for the flange side) with M4 locking nuts.

It is also important to check that the panel in contact with the gasket of the flush-mounted housing flange is free from imperfections (deep scratches, grooves, burs) that could affect the operation of the gasket.

### Pg threading and metric threading - surface mounting with stainless steel lever - IP67\* (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
closing covers with pegs for one lever  
for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, CQE and MIXO inserts  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)  
\*Thanks to V-Type vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).



V - TYPE

#### Pg part No. standard version

**C7P 06 L** size 44.27 - Pg 16

#### Metric part No.

**M7P 06 L 20** size 44.27 - M 20 20

- high version enclosures upon request

#### hoods page 83



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## insulating enclosures for inserts single locking lever size 21.21

- for inserts CK 3/4, CKS 3/4, CQ 05, CQ 12, CD 07, CD 08
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands
- UL Type 12 (Nema 12) degree of protection according to ANSI/UL 50. For Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection, according to ANSI/UL 50, use kit CKR 65 or CKR 65 D

ILME  
part No.

description

packaging



### insulating enclosures - white - IP44 (EN 60529) size 21.21

#### enclosures with lever

CK 03 I	straight bulkhead housing	100
CK 03 IA	angled bulkhead housing	100
CK 03 IAPS	angled bulkhead housing - Pg 11	100
MK IAP20	angled bulkhead housing - M20	100
CK 03 VGS	hood - top entry - Pg 11	100
MK VG20	hood - top entry - M20	100



#### enclosures without lever

CK 03 VS	hood with pegs - top entry - Pg 11	100
MK V20	hood with pegs - top entry - M20	100
CK 03 VAS	angled hood with pegs - side entry - Pg 11	100
MK VA20	angled hood with pegs - side entry - M20	100



#### covers

CK 03 C	with pegs for female inserts	10
CK 03 CA	with pegs for male inserts	10
CK 03 CX	with lever for female inserts	10
CK 03 CXA	with lever for male inserts	10



### insulating enclosures - black - IP44 (EN 60529) size 21.21

#### enclosures with lever

CK 03 IN	straight bulkhead housing	100
CK 03 IAN	angled bulkhead housing	100
CK 03 IAPNS	angled bulkhead housing - Pg 11	100
MK IAPN20	angled bulkhead housing - M20	100
CK 03 VGNS	hood - top entry - Pg 11	100
MK VGN20	hood - top entry - M20	100



#### enclosures without lever

CK 03 VNS	hood with pegs - top entry - Pg 11	100
MK VN20	hood with pegs - top entry - M20	100
CK 03 VANS	angled hood with pegs - side entry - Pg 11	100
MK VAN20	angled hood with pegs - side entry - M20	100



#### covers

CK 03 CN	with pegs for female inserts	10
CK 03 CAN	with pegs for male inserts	10
CK 03 CXN	with lever for female inserts	10
CK 03 CXAN	with lever for male inserts	10



#### complementary part for enclosures

kit gasket and screw for degree of protection IP66/IP67 (EN 60529) and IP69K (DIN 40050-9)

CKR 65	for CK 03 - CK 04 - CQ 05 inserts	500
CKR 65 D	for CD 07 - CD 08 inserts	500

C - TYPE



metal enclosures  
for inserts  
single locking lever  
size 21.21

- painted with grey RAL 7040
- for inserts size CK 3/4, CKS 3/4, CQ 05, CQ 12, CD 08
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12) degree of protection according to ANSI/UL 50. For Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection, according to ANSI/UL 50, use kit CKR 65 or CKR 65 D

ILME  
part No. description

packaging



enclosures with zinc-plated lever - IP44 (EN 60529)  
size 21.21

enclosures with lever		
CKA 03 I	straight bulkhead housing	100
CKA 03 IA	angled bulkhead housing	100
CKA 03 IAPS	angled bulkhead housing - Pg 11	10
MKA IAP20	angled bulkhead housing - M20	10
CKA 03 APS	angled bulkhead housing with bottom closed - Pg 11	10
MKA AP20	angled bulkhead housing with bottom closed - M20	10
CKA 03 VGS	hood - top entry - Pg 11	100
MKA VG20	hood - top entry - M20	10



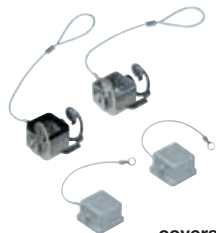
enclosures with zinc-plated lever - IP44 (EN 60529)  
size 21.21

enclosures with lever		
CKAX 03 I	straight bulkhead housing	10
CKAX 03 IA	angled bulkhead housing	10
CKAX 03 IAPS	angled bulkhead housing - Pg 11	10
MKAX IAP20	angled bulkhead housing - M20	10
CKAX 03 APS	angled bulkhead housing with bottom closed - Pg 11	10
MKAX AP20	angled bulkhead housing with bottom closed - M20	10
CKAX 03 VGS	hood - top entry - Pg 11	10
MKAX VG20	hood - top entry - M20	10



hoods without lever - IP44 (EN 60529)  
size 21.21

enclosures without lever		
CKA 03 VS	hood with pegs - top entry - Pg 11	100
MKA V20	hood with pegs - top entry - M20	100
CKA 03 VAS	angled hood with pegs - side entry - Pg 11	10
MKA VA20	angled hood with pegs - side entry - M20	10



covers		
CKA 03 C	covers with pegs for female inserts	10
CKA 03 CA	covers with pegs for male inserts	10
CKAX 03 CX	covers with stainless steel lever for female inserts	10
CKAX 03 CXA	covers with stainless steel lever for male inserts	10



complementary part for enclosures		
kit gasket and screw for degree of protection IP66/IP67 (EN 60529) and IP69K (DIN 40050-9)		
CKR 65	for CK 03 - CK 04 - CQ 05 inserts	500
CKR 65 D	for CD 08 inserts	500

C - TYPE



metal enclosures  
for inserts  
single locking lever  
size 21.21

- painted with grey RAL 7040
- for inserts size CK 3/4, CKS 3/4, CQ 05, CQ 12, CD 08
- the enclosures ensure IP protection rating when mated and locked with the closing levers, to be completed with cable glands.
- UL Type 12 (Nema 12) degree of protection according to ANSI/UL 50. For Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection, according to ANSI/UL 50, use kit CKR 65 or CKR 65 D

ILME  
part No.

description

packaging

NEW

enclosures with zinc-plated lever - IP44 (EN 60529)

size 21.21



enclosures with lever

<b>MKA IAF20</b>	angled bulkhead housings - <b>M20</b> threading for coupling (*)	10
<b>MKA IAF25</b>	angled bulkhead housings - <b>M25</b> threading for coupling (*)	10

NEW

enclosures with zinc-plated lever - IP44 (EN 60529)

size 21.21



enclosures with lever

<b>MKAX IAF20</b>	angled bulkhead housings - <b>M20</b> threading for coupling (*)	10
<b>MKAX IAF25</b>	angled bulkhead housings - <b>M25</b> threading for coupling (*)	10

(\*) counternut supplied on request, see page 124

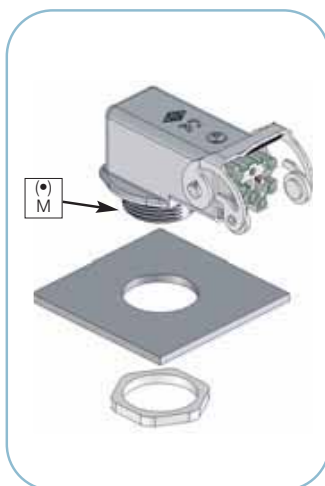
part No.: **AS M20N e AS M25N** metal version  
**AS M20L e AS M25L** insulating version



complementary part for enclosures

kit gasket and screw for degree of protection IP66/IP67 (EN 60529) and IP69K (DIN 40050-9)

<b>CKR 65</b>	for CK 03 - CK 04 - CQ 05 inserts	500
<b>CKR 65 D</b>	for CD 08 insert	500











C - TYPE



insulating enclosures  
for inserts  
single locking lever  
size 32.13

- for inserts size CQ 08, CQ 04/2
- the enclosures ensure IP protection rating when mated and locked with the closing levers to be completed with CRQ cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50









ILME part No.	description	packaging
	insulating enclosures - black - IP66 (EN 60529) size 32.13 The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)	
	<b>enclosures with lever</b>	
<b>CQ 08 I</b>	straight bulkhead housing - flange 32 x 13 mm	5
	<b>NEW</b> angled bulkhead housing	5
	<b>NEW</b> angled bulkhead housing - Pg21 for CRQ 21	5
	hood - top entry - Pg21 for CRQ 21	5
	<b>enclosures without lever</b> hood - top entry - Pg21 for CRQ 21	5
	hood - side entry - Pg16 for CRQ 16	5
	<b>covers</b>	
<b>CQ 08 C</b>	with pegs for female inserts	5
<b>CQ 08 CA</b>	with pegs for male inserts	5
	<b>cable clamping head and seal for enclosure</b>	
<b>CRQ 16</b>	for CQ 08 VA enclosures for Ø 21mm cables	5
<b>CRQ 21</b>	for CQ 08 V and CQ 08 VG enclosures for Ø 26,5 mm cables	5

C - TYPE



insulating enclosures  
for inserts  
EMC version  
size 32.13

- for inserts size CQ 08, CQ 04/2
- the enclosures ensure IP protection rating when mated and locked with the closing levers
- to be completed with CRQ cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) degree of protection according to ANSI/UL 50
- metallized thermoplastic enclosures

ILME part No.	description	packaging
<div>NEW</div> insulating enclosures - IP66 (EN 60529) size 32.13 The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)		
	<b>enclosures with lever</b>	
<b>CQS 08 I</b>	straight bulkhead housing	5
	<div>NEW</div>	
<b>CQS 08 IA</b>	angled bulkhead housing	5
	<div>NEW</div>	
<b>CQS 08 IAP</b>	angled bulkhead housing - Pg 21 for CRQ 21	5
	<div>NEW</div>	
<b>CQS 08 VG</b>	hood - top entry - Pg 21 for CRQ 21	5
	<div>NEW</div>	
<b>CQS 08 V</b>	<b>enclosures without lever</b> with pegs - top entry - Pg 21 for CRQ 16	5
	<div>NEW</div>	
<b>CQS 08 VA</b>	with pegs- side entry - Pg 21 for CRQ 21	5
	<div>NEW</div>	
<b>CR 08 EMC</b>	conductive gasket for CQM male inserts	5
	<div>NEW</div>	
<b>CRQ 16</b>	<b>cable clamping head and seal for enclosure</b> for CQ 08 VA enclosures for Ø 21mm cables	5
<b>CRQ 21</b>	for CQ 08 V and CQ 08 VG enclosures for Ø 26,5 mm cables	5

C - TYPE



## bulkhead mounting housings for inserts single locking lever

- CZI 15 and 25 enclosures (without gasket) and enclosures CH .. 48 (with gasket) with monoblock stainless steel lever
- CHI and CMI enclosures (with gasket) with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers, to be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### bulkhead mounting housings with lever - IP66 (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
protection covers with pegs for one lever  
the enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

CZI 15 L	size 4 ..16	40
CZI 25 L	size 66.16	40

#### standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CD 40/64, CTS, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12/20/32 inserts

CHI 06 L	size 44.27	40
CHI 10 L	size 57.27	20
CHI 16 L	size 77.27	20
CHI 24 L	size 104.27	20
CHI 32 L	size 77.62	2
CHI 48 L	size 104.62	4

#### insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMI 03 L	size 57.27	5
CMI 06 L	size 77.27	5
CMI 16 L	size 104.27	10



### bulkhead mounting housings with lever and metal cover - IP66 (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)  
The enclosures ensure IP65 protection rating when cover closed and locked with the closing levers

#### version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

CZI 15 LS	size 4 ..16	40
CZI 25 LS	size 66.16	40

#### standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CD 40/64, CTS, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12/20/32 inserts

CHI 06 LS	size 44.27	20
CHI 10 LS	size 57.27	20
CHI 16 LS	size 77.27	20
CHI 24 LS	size 104.27	20
CHI 32 LS	size 77.62	8
CHI 48 LS	size 104.62	4

#### insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMI 03 LS	size 57.27	5
CMI 06 LS	size 77.27	5
CMI 16 LS	size 104.27	5

#### hoods from page 83







## surface mounting housings for inserts single locking lever

- CZIP 15 enclosures (without gasket) with monoblock stainless steel lever
- CHP and CMP enclosures (with gasket) with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - surface mounting housings with lever - IP65 (EN 60529)

**to be coupled with:** hoods with pegs for one lever  
protection covers with pegs for one lever  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

Pg part No.

Metric part No.

**version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts**

<b>CZIP 15 L</b>	size 4 .16	- Pg 16	<b>MZIP 15 L25</b>	size 4 .16	- M25	10
<b>CZIP 15 L2</b>	size 4 .16	- Pg 16 x 2	<b>MZIP 15 L225</b>	size 4 .16	- M25 x 2	10
<b>CZIP 15 L21</b>	size 4 .16	- Pg 21				10

**standard version for JCNE, JCSE, CSH, CNE, CCE, CSE,  
CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12/20 inserts**

<b>CHP 06 L</b>	size 44.27	- Pg 16	<b>MHP 06 L20</b>	size 44.27	- M20	20*
<b>CHP 06 L2</b>	size 44.27	- Pg 16 x 2	<b>MHP 06 L220</b>	size 44.27	- M20 x 2	10
<b>CHP 10 L</b>	size 57.27	- Pg 16	<b>MHP 10 L20</b>	size 57.27	- M20	10*
<b>CHP 10 L2</b>	size 57.27	- Pg 16 x 2	<b>MHP 10 L220</b>	size 57.27	- M20 x 2	10
<b>CHP 16 L</b>	size 77.27	- Pg 21	<b>MHP 16 L25</b>	size 77.27	- M25	10*
<b>CHP 16 L2</b>	size 77.27	- Pg 21 x 2	<b>MHP 16 L225</b>	size 77.27	- M25 x 2	10
<b>CHP 24 L</b>	size 104.27	- Pg 21	<b>MHP 24 L25</b>	size 104.27	- M25	10*
<b>CHP 24 L2</b>	size 104.27	- Pg 21 x 2	<b>MHP 24 L225</b>	size 104.27	- M25 x 2	10
<b>CHP 32 L</b>	size 77.62	- Pg 36	<b>MHP 32 L40</b>	size 77.62	- M40	8*
<b>CHP 32 L2</b>	size 77.62	- Pg 36 x 2	<b>MHP 32 L240</b>	size 77.62	- M40 x 2	8
<b>CHP 32 L29</b>	size 77.62	- Pg 29				1
<b>CHP 32 L229</b>	size 77.62	- Pg 29 x 2				1
<b>CHP 32 L42</b>	size 77.62	- Pg 42	<b>MHP 32 L50</b>	size 77.62	- M50	8
<b>CHP 32 L242</b>	size 77.62	- Pg 42 x 2	<b>MHP 32 L250</b>	size 77.62	- M50 x 2	8

**insulating version for CME 3/6/10/16 or CMCE 16 inserts**

<b>CMP 03 L</b>	size 57.27	- Pg 16	<b>MMP 03 L20</b>	size 57.27	- M20	5
<b>CMP 03 L2</b>	size 57.27	- Pg 16 x 2	<b>MMP 03 L220</b>	size 57.27	- M20 x 2	5
<b>CMP 06 L</b>	size 77.27	- Pg 21	<b>MMP 06 L25</b>	size 77.27	- M25	10
<b>CMP 06 L2</b>	size 77.27	- Pg 21 x 2	<b>MMP 06 L225</b>	size 77.27	- M25 x 2	5
<b>CMP 16 L</b>	size 104.27	- Pg 21	<b>MMP 16 L25</b>	size 104.27	- M25	5
<b>CMP 16 L2</b>	size 104.27	- Pg 21 x 2	<b>MMP 16 L225</b>	size 104.27	- M25 x 2	5

for "high construction" enclosures, see following pages

C - TYPE



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## high surface mounting housings for inserts single locking lever

- CZAP 25 enclosures (without gasket) with monoblock stainless steel lever
- CAP and CMAP enclosures (with gasket) with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers, to be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50.

ILME  
part No.

description

packaging



### Pg and metric threading - high surface mounting housings, with lever - IP66 (EN 60529)

to be coupled with: hood with pegs for one lever

protection covers with pegs for one lever

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

CZAP 25 L	size 66.16	- Pg 16	MZAP 25 L25	size 66.16	- M25	10
CZAP 25 L2	size 66.16	- Pg 16 x 2	MZAP 25 L225	size 66.16	- M25 x 2	10
CZAP 25 L21	size 66.16	- Pg 21				10

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CTSE, CT, CTS,  
CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAP 06 L	size 44.27	- Pg 21	MAP 06 L32	size 44.27	- M32	5
CAP 06 L2	size 44.27	- Pg 21 x 2	MAP 06 L232	size 44.27	- M32 x 2	5
CAP 06 L29	size 44.27	- Pg 29	MAP 06 L40	size 44.27	- M40	5
CAP 06 L229	size 44.27	- Pg 29 x 2	MAP 06 L240	size 44.27	- M40 x 2	5
CAP 10 L	size 57.27	- Pg 21	MAP 10 L32	size 57.27	- M32	5
CAP 10 L2	size 57.27	- Pg 21 x 2	MAP 10 L232	size 57.27	- M32 x 2	5
CAP 10 L29	size 57.27	- Pg 29	MAP 10 L40	size 57.27	- M40	5
CAP 10 L229	size 57.27	- Pg 29 x 2	MAP 10 L240	size 57.27	- M40 x 2	5
CAP 16 L	size 77.27	- Pg 21	MAP 16 L32	size 77.27	- M32	5
CAP 16 L2	size 77.27	- Pg 21 x 2	MAP 16 L232	size 77.27	- M32 x 2	5
CAP 16 L29	size 77.27	- Pg 29	MAP 16 L40	size 77.27	- M40	5
CAP 16 L229	size 77.27	- Pg 29 x 2	MAP 16 L240	size 77.27	- M40 x 2	5
CAP 24 L	size 104.27	- Pg 21	MAP 24 L32	size 104.27	- M32	5
CAP 24 L2	size 104.27	- Pg 21 x 2	MAP 24 L232	size 104.27	- M32 x 2	5
CAP 24 L29	size 104.27	- Pg 29	MAP 24 L40	size 104.27	- M40	5
CAP 24 L229	size 104.27	- Pg 29 x 2	MAP 24 L240	size 104.27	- M40 x 2	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAP 03 L	size 57.27	- Pg 21	MMAP 03 L32	size 57.27	- M32	5
CMAP 03 L2	size 57.27	- Pg 21 x 2	MMAP 03 L232	size 57.27	- M32 x 2	5
CMAP 03 L29	size 57.27	- Pg 29	MMAP 03 L40	size 57.27	- M40	5
CMAP 03 L229	size 57.27	- Pg 29 x 2	MMAP 03 L240	size 57.27	- M40 x 2	5
CMAP 06 L	size 77.27	- Pg 21	MMAP 06 L32	size 77.27	- M32	5
CMAP 06 L2	size 77.27	- Pg 21 x 2	MMAP 06 L232	size 77.27	- M32 x 2	5
CMAP 06 L29	size 77.27	- Pg 29	MMAP 06 L40	size 77.27	- M40	5
CMAP 06 L229	size 77.27	- Pg 29 x 2	MMAP 06 L240	size 77.27	- M40 x 2	5
CMAP 16 L	size 104.27	- Pg 21	MMAP 16 L32	size 104.27	- M32	5
CMAP 16 L2	size 104.27	- Pg 21 x 2	MMAP 16 L232	size 104.27	- M32 x 2	5
CMAP 16 L29	size 104.27	- Pg 29	MMAP 16 L40	size 104.27	- M40	5
CMAP 16 L229	size 104.27	- Pg 29 x 2	MMAP 16 L240	size 104.27	- M40 x 2	5

for "standard" enclosures, see previous pages

hoods from page 83





## surface mounting housings for inserts single locking lever

- CZP 15 enclosures (without gasket) and enclosures CH .. 48 (with gasket) with monoblock stainless steel lever
- CHP and CMP enclosures (with gasket) with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers, to be completed with cable glands.
- UL Type 12 (Nema 12), type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No. description

packaging



### Pg and metric threading - surface mounting housings with lever and metal cover - IP66 (EN 60529)

to be coupled with: hoods with pegs for one lever

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

The enclosures ensure IP65 protection rating when cover closed and locked with the closing levers

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

<b>CZP 15 LS221</b>	size 4 .16	- Pg 21 x 2	<b>MZP 15 LS225</b>	size 4 .16	- M25 x 2	10
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standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CTSE, CT, CTS

CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12/20/32 inserts

<b>CHP 06 LS</b>	size 44.27	- Pg 16	<b>MHP 06 LS20</b>	size 44.27	- M20	10*
<b>CHP 06 LS2</b>	size 44.27	- Pg 16 x 2	<b>MHP 06 LS220</b>	size 44.27	- M20 x 2	10
<b>CHP 10 LS</b>	size 57.27	- Pg 16	<b>MHP 10 LS20</b>	size 57.27	- M20	10*
<b>CHP 10 LS2</b>	size 57.27	- Pg 16 x 2	<b>MHP 10 LS220</b>	size 57.27	- M20 x 2	10
<b>CHP 16 LS</b>	size 77.27	- Pg 21	<b>MHP 16 LS25</b>	size 77.27	- M25	10*
<b>CHP 16 LS2</b>	size 77.27	- Pg 21 x 2	<b>MHP 16 LS225</b>	size 77.27	- M25 x 2	10
<b>CHP 24 LS</b>	size 104.27	- Pg 21	<b>MHP 24 LS25</b>	size 104.27	- M25	10*
<b>CHP 24 LS2</b>	size 104.27	- Pg 1 x 2	<b>MHP 24 LS225</b>	size 104.27	- M25 x 2	10
<b>CHP 32 LS</b>	size 77.62	- Pg 36	<b>MHP 24 LS225</b>	size 104.27	- M25 x 2	10
<b>CHP 32 LS2</b>	size 77.62	- Pg 36 x 2	<b>MHP 32 LS40</b>	size 77.62	- M40	1
<b>CHP 32 LS29</b>	size 77.62	- Pg 29				1
<b>CHP 32 LS229</b>	size 77.62	- Pg 29 x 2				1
<b>CHP 32 LS42</b>	size 77.62	- Pg 42	<b>MHP 32 LS250</b>	size 77.62	- M50 x 2	1
<b>CHP 32 LS242</b>	size 77.62	- Pg 42 x 2	<b>MHP 48 LS40</b>	size 104.62	- M40	4
<b>CHP 48 LS</b>	size 104.62	- Pg 36 x 2	<b>MHP 48 LS50</b>	size 104.62	- M50	4*
<b>CHP 48 LS29</b>	size 104.62	- Pg 29 x 2				4

insulating version for CME 3/6/10/16 or CMCE 16 inserts

<b>CMP 03 LS</b>	size 57.27	- Pg 16	<b>MMP 03 LS20</b>	size 57.27	- M20	5
<b>CMP 03 LS2</b>	size 57.27	- Pg 16 x 2	<b>MMP 03 LS220</b>	size 57.27	- M20 x 2	1
<b>CMP 06 LS</b>	size 77.27	- Pg 21	<b>MMP 06 LS25</b>	size 77.27	- M25	5
<b>CMP 06 LS2</b>	size 77.27	- Pg 21 x 2	<b>MMP 06 LS225</b>	size 77.27	- M25 x 2	5
<b>CMP 16 LS</b>	size 104.27	- Pg 21	<b>MMP 16 LS25</b>	size 104.27	- M25	5
<b>CMP 16 LS2</b>	size 104.27	- Pg 21 x 2	<b>MMP 16 LS225</b>	size 104.27	- M25 x 2	1

for "high construction" enclosures, see following pages

C - TYPE

hoods from page 83



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## high surface mounting housings for inserts single locking lever

- CZAP 25 enclosures (without gasket) with monoblock stainless steel lever
- CAP and CMAP enclosures (with gasket) with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers to be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50 packaging

ILME  
part No.

description



### Pg and metric threading - high surface mounting housings, with lever and metal cover - IP66 (EN 60529)\*

to be coupled with: hoods with pegs for one lever

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

\* The enclosures ensure IP65 protection rating when cover closed and locked with the closing levers

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

<b>CZAP 25LS221</b>	size 66.16	- Pg 21 x 2	<b>MZAP 25LS225</b>	size 66.16- M25 x 2	10
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standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CTSE, CT, CTS  
CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

<b>CAP 06 LS</b>	size 44.27	- Pg 21	<b>MAP 06 LS32</b>	size 44.27	- M32	5
<b>CAP 06 LS2</b>	size 44.27	- Pg 21 x 2	<b>MAP 06 LS232</b>	size 44.27	- M32 x 2	5
<b>CAP 06 LS29</b>	size 44.27	- Pg 29	<b>MAP 06 LS40</b>	size 44.27	- M40	5
<b>CAP 06 LS229</b>	size 44.27	- Pg 29 x 2	<b>MAP 06 LS240</b>	size 44.27	- M40 x 2	5
<b>CAP 10 LS</b>	size 57.27	- Pg 21	<b>MAP 10 LS32</b>	size 57.27	- M32	5
<b>CAP 10 LS2</b>	size 57.27	- Pg 21 x 2	<b>MAP 10 LS232</b>	size 57.27	- M32 x 2	5
<b>CAP 10 LS29</b>	size 57.27	- Pg 29	<b>MAP 10 LS40</b>	size 57.27	- M40	5
<b>CAP 10 LS229</b>	size 57.27	- Pg 29 x 2	<b>MAP 10 LS240</b>	size 57.27	- M40 x 2	5
<b>CAP 16 LS</b>	size 77.27	- Pg 21	<b>MAP 16 LS32</b>	size 77.27	- M32	1
<b>CAP 16 LS2</b>	size 77.27	- Pg 21 x 2	<b>MAP 16 LS232</b>	size 77.27	- M32 x 2	1
<b>CAP 16 LS29</b>	size 77.27	- Pg 29	<b>MAP 16 LS40</b>	size 77.27	- M40	1
<b>CAP 16 LS229</b>	size 77.27	- Pg 29 x 2	<b>MAP 16 LS240</b>	size 77.27	- M40 x 2	1
<b>CAP 24 LS</b>	size 104.27	- Pg 21	<b>MAP 24 LS32</b>	size 104.27	- M32	5
<b>CAP 24 LS2</b>	size 104.27	- Pg 21 x 2	<b>MAP 24 LS232</b>	size 104.27	- M32 x 2	5
<b>CAP 24 LS29</b>	size 104.27	- Pg 29	<b>MAP 24 LS40</b>	size 104.27	- M40	5
<b>CAP 24 LS229</b>	size 104.27	- Pg 29 x 2	<b>MAP 24 LS240</b>	size 104.27	- M40 x 2	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

<b>CMAP 03 LS</b>	size 57.27	- Pg 21	<b>MMAP 03 LS32</b>	size 57.27	- M32	5
<b>CMAP 03 LS2</b>	size 57.27	- Pg 21 x 2	<b>MMAP 03LS232</b>	size 57.27	- M32 x 2	5
<b>CMAP 03 LS29</b>	size 57.27	- Pg 29	<b>MMAP 03 LS40</b>	size 57.27	- M40	5
<b>CMAP 03LS229</b>	size 57.27	- Pg 29 x 2	<b>MMAP 03LS240</b>	size 57.27	- M40 x 2	5
<b>CMAP 06 LS</b>	size 77.27	- Pg 21	<b>MMAP 06 LS32</b>	size 77.27	- M32	5
<b>CMAP 06 LS2</b>	size 77.27	- Pg 21 x 2	<b>MMAP 06LS232</b>	size 77.27	- M32 x 2	5
<b>CMAP 06 LS29</b>	size 77.27	- Pg 29	<b>MMAP 06 LS40</b>	size 77.27	- M40	5
<b>CMAP 06LS229</b>	size 77.27	- Pg 29 x 2	<b>MMAP 06LS240</b>	size 77.27	- M40 x 2	5
<b>CMAP 16 LS</b>	size 104.27	- Pg 21	<b>MMAP 16 LS32</b>	size 104.27	- M32	5
<b>CMAP 16 LS2</b>	size 104.27	- Pg 21 x 2	<b>MMAP 16LS232</b>	size 104.27	- M32 x 2	5
<b>CMAP 16 LS29</b>	size 104.27	- Pg 29	<b>MMAP 16 LS40</b>	size 104.27	- M40	5
<b>CMAP 16LS229</b>	size 104.27	- Pg 29 x 2	<b>MMAP 16LS240</b>	size 104.27	- M40 x 2	5

for "standard" enclosures, see previous pages

hoods from page 83





## hoods for inserts single locking lever

- CZO and CZAO enclosures with gasket
- CHO, CMO, CAO and CMAO enclosures without gasket
- the enclosures ensure IP protection rating when mated and locked with the closing levers, to be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - side entry - with two pegs

to be coupled with: bulkhead or surface mounting housings with lever

hoods with lever

covers with lever

The hoods ensure IP65, IP66 or IP67 (EN 60529) and IP69K (DIN 40050-9) by the housing with lever.

\*Thanks to V-Type (page 72) vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).

### standard

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

<b>CZO 15 L</b>	size 4 .16	- Pg 16	<b>MZO 15 L20</b>	size 4 .16	- M20	10
			<b>MZO 15 L25</b>	size 4 .16	- M25	10
<b>CZO 25 L</b>	size 66.16	- Pg 16	<b>MZO 25 L20</b>	size 66.16	- M20	10
			<b>MZO 25 L25</b>	size 66.16	- M25	10

standard version for JCNE, JCSE, CSH, CNE, CCE,

CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12/20/32 inserts

<b>CHO 06 L13*</b>	size 44.27	- Pg 13,5	<b>MHO 06 L20*</b>	size 44.27	- M20	20*
<b>CHO 06 L16*</b>	size 44.27	- Pg 16	<b>MHO 06 L25*</b>	size 44.27	- M25	20*
<b>CHO 10 L</b>	size 57.27	- Pg 16	<b>MHO 10 L20</b>	size 57.27	- M20	10*
			<b>MHO 10 L25</b>	size 57.27	- M25	10
<b>CHO 16 L</b>	size 77.27	- Pg 21	<b>MHO 16 L25</b>	size 77.27	- M25	10*
			<b>MHO 16 L32</b>	size 77.27	- M32	10
<b>CHO 24 L</b>	size 104.27	- Pg 21	<b>MHO 24 L25</b>	size 104.27	- M25	10*
			<b>MHO 24 L32</b>	size 104.27	- M32	10
<b>CHO 32 L</b>	size 77.62	- Pg 36**	<b>MHO 32 L40</b>	size 77.62	- M40**	8*
<b>CHO 48 L</b>	size 104.62	- Pg 36**	<b>MHO 48 L40</b>	size 104.62	- M40**	4*
<b>CHO 48 L29</b>	size 104.62	- Pg 29**	<b>MHO 48 L32</b>	size 104.62	- M32**	4
<b>CHO 48 L42</b>	size 104.62	- Pg 42**	<b>MHO 48 L50</b>	size 104.62	- M50**	1

insulating version for CME 3/6/10/16 or CMCE 16 inserts

<b>CMO 03 L</b>	size 57.27	- Pg 16	<b>MMO 03 L20</b>	size 57.27	- M20	10
			<b>MMO 03 L25</b>	size 57.27	- M25	10
<b>CMO 06 L</b>	size 77.27	- Pg 21	<b>MMO 06 L25</b>	size 77.27	- M25	10
			<b>MMO 06 L32</b>	size 77.27	- M32	10
<b>CMO 16 L</b>	size 104.27	- Pg 21	<b>MMO 16 L25</b>	size 104.27	- M25	10
			<b>MMO 16 L32</b>	size 104.27	- M32	10

### high

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

<b>CZAO 15 L16</b>	size 4 .16	- Pg 16**	<b>MZAO 15 L20</b>	size 4 .16	- M20**	10
<b>CZAO 15 L21</b>	size 4 .16	- Pg 21**	<b>MZAO 15 L25</b>	size 4 .16	- M25**	10
<b>CZAO 25 L16</b>	size 66.16	- Pg 16**	<b>MZAO 25 L20</b>	size 66.16	- M20**	10
<b>CZAO 25 L21</b>	size 66.16	- Pg 21**	<b>MZAO 25 L25</b>	size 66.16	- M25**	10

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS,

CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

<b>CAO 06 L21</b>	size 44.27	- Pg 21**	<b>MAO 06 L25</b>	size 44.27	- M25**	5
<b>CAO 06 L29</b>	size 44.27	- Pg 29**	<b>MAO 06 L32</b>	size 44.27	- M32**	5
<b>CAO 10 L21</b>	size 57.27	- Pg 21	<b>MAO 10 L32</b>	size 57.27	- M32	5
<b>CAO 10 L29</b>	size 57.27	- Pg 29	<b>MAO 10 L40</b>	size 57.27	- M40	5
<b>CAO 16 L21</b>	size 77.27	- Pg 21	<b>MAO 16 L32</b>	size 77.27	- M32	5
<b>CAO 16 L29</b>	size 77.27	- Pg 29	<b>MAO 16 L40</b>	size 77.27	- M40	5
<b>CAO 24 L21</b>	size 104.27	- Pg 21	<b>MAO 24 L32</b>	size 104.27	- M32	5
<b>CAO 24 L29</b>	size 104.27	- Pg 29	<b>MAO 24 L40</b>	size 104.27	- M40	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

<b>CMAO 03 L21</b>	size 57.27	- Pg 21	<b>MMAO 03 L32</b>	size 57.27	- M32	5
<b>CMAO 03 L29</b>	size 57.27	- Pg 29	<b>MMAO 03 L40</b>	size 57.27	- M40	5
<b>CMAO 06 L21</b>	size 77.27	- Pg 21	<b>MMAO 06 L32</b>	size 77.27	- M32	5
<b>CMAO 06 L29</b>	size 77.27	- Pg 29	<b>MMAO 06 L40</b>	size 77.27	- M40	5
<b>CMAO 16 L21</b>	size 104.27	- Pg 21	<b>MMAO 16 L32</b>	size 104.27	- M32	5
<b>CMAO 16 L29</b>	size 104.27	- Pg 29	<b>MMAO 16 L40</b>	size 104.27	- M40	5

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).

For further information please contact ILME SpA.



## hoods for single locking lever

- CZV and CZAV enclosures with gasket
- CHV, CMV, CAV, CMAV enclosures without gasket
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - top entry - with two pegs

to be coupled with: bulkhead or surface mounting housings with lever

hoods with lever  
covers with lever

The hoods ensure IP65, IP66 or IP67 (EN 60529) and IP69K (DIN 40050-9) by the housing with lever.

\*Thanks to V-Type (page 72) vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard mobile housings in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).

### standard

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

CZV 15 L	size <b>49.16</b>	- Pg 13,5	MZV 15 L20	size <b>49.16</b>	- M20	10
CZV 25 L	size <b>66.16</b>	- Pg 16	MZV 25 L20	size <b>66.16</b>	- M20	10

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12/20/32 inserts

CHV 06 L13*	size <b>44.27</b>	- Pg 13,5	MHV 06 L20*	size <b>44.27</b>	- M20	20*
CHV 06 L16*	size <b>44.27</b>	- Pg 16	MHV 06 L25*	size <b>44.27</b>	- M25	20*
CHV 10 L	size <b>57.27</b>	- Pg 16	MHV 10 L20	size <b>57.27</b>	- M20	10
			MHV 10 L25	size <b>57.27</b>	- M25	10
CHV 16 L	size <b>77.27</b>	- Pg 21	MHV 16 L25	size <b>77.27</b>	- M25	10*
			MHV 16 L32	size <b>77.27</b>	- M32	10
CHV 24 L	size <b>104.27</b>	- Pg 21	MHV 24 L25	size <b>104.27</b>	- M25	10*
			MHV 24 L32	size <b>104.27</b>	- M32	10
CHV 24 L29	size <b>104.27</b>	- Pg 29	MHV 24 L40	size <b>104.27</b>	- M40	5
CHV 32 L	size <b>77.62</b>	- Pg 36**	MHV 32 L40	size <b>77.62</b>	- M40**	8*
CHV 48 L	size <b>104.62</b>	- Pg 36**	MHV 48 L40	size <b>104.62</b>	- M40**	4*
CHV 48 L29	size <b>104.62</b>	- Pg 29**	MHV 48 L32	size <b>104.62</b>	- M32**	4
CHV 48 L42	size <b>104.62</b>	- Pg 42**	MHV 48 L50	size <b>104.62</b>	- M50**	4

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMV 03 L	size <b>57.27</b>	- Pg 16	MMV 03 L20	size <b>57.27</b>	- M20	5
			MMV 03 L25	size <b>57.27</b>	- M25	5
CMV 06 L	size <b>77.27</b>	- Pg 21	MMV 06 L25	size <b>77.27</b>	- M25	5
			MMV 06 L32	size <b>77.27</b>	- M32	5
CMV 16 L	size <b>104.27</b>	- Pg 21	MMV 16 L25	size <b>104.27</b>	- M25	5
			MMV 16 L32	size <b>104.27</b>	- M32	5
CMV 16 L29	size <b>104.27</b>	- Pg 29	MMV 16 L40	size <b>104.27</b>	- M40	5

### high

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

CZAV 15 L16	size <b>49.16</b>	- Pg 16**	MZAV 15 L20	size <b>49.16</b>	- M20**	10
CZAV 15 L21	size <b>49.16</b>	- Pg 21**	MZAV 15 L25	size <b>49.16</b>	- M25**	10
CZAV 25 L16	size <b>66.16</b>	- Pg 16**	MZAV 25 L20	size <b>66.16</b>	- M20**	10
CZAV 25 L216	size <b>66.16</b>	- Pg 16 x 2**	MZAV 25 L220	size <b>66.16</b>	- M20 x 2**	10
CZAV 25 L21	size <b>66.16</b>	- Pg 21**	MZAV 25 L25	size <b>66.16</b>	- M25**	10

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD 40/64, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAV 06 L21	size <b>44.27</b>	- Pg 21	MAV 06 L25	size <b>44.27</b>	- M25	5
CAV 06 L29	size <b>44.27</b>	- Pg 29	MAV 06 L32	size <b>44.27</b>	- M32	5
CAV 10 L21	size <b>57.27</b>	- Pg 21	MAV 10 L32	size <b>57.27</b>	- M32	5
CAV 10 L29	size <b>57.27</b>	- Pg 29	MAV 10 L40	size <b>57.27</b>	- M40	5
CAV 16 L21	size <b>77.27</b>	- Pg 21	MAV 16 L32	size <b>77.27</b>	- M32	5
CAV 16 L29	size <b>77.27</b>	- Pg 29	MAV 16 L40	size <b>77.27</b>	- M40	5
CAV 24 L21	size <b>104.27</b>	- Pg 21	MAV 24 L32	size <b>104.27</b>	- M32	5
CAV 24 L29	size <b>104.27</b>	- Pg 29	MAV 24 L40	size <b>104.27</b>	- M40	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAV 03 L21	size <b>57.27</b>	- Pg 21	MMAV 03 L32	size <b>57.27</b>	- M32	5
CMAV 03 L29	size <b>57.27</b>	- Pg 29	MMAV 03 L40	size <b>57.27</b>	- M40	5
CMAV 06 L21	size <b>77.27</b>	- Pg 21	MMAV 06 L32	size <b>77.27</b>	- M32	5
CMAV 06 L29	size <b>77.27</b>	- Pg 29	MMAV 06 L40	size <b>77.27</b>	- M40	5
CMAV 16 L21	size <b>104.27</b>	- Pg 21	MMAV 16 L32	size <b>104.27</b>	- M32	5
CMAV 16 L29	size <b>104.27</b>	- Pg 29	MMAV 16 L40	size <b>104.27</b>	- M40	5

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).

For further information please contact ILME SpA.





## hoods with single locking lever

- CZV enclosures (without gasket) with monoblock stainless steel lever
- CHV, CMV, CAV and CMAV with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



**NEW**

### **Pg and metric threading - top entry - with lever and gasket - IP66 (EN60529)**

to be coupled with: hoods with pegs for one lever  
covers with pegs for one lever  
the enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### **standard**

Pg part No.

Metric part No.

version CZ for CD 15/25, CDD 38, CDA/CDC 10/16, MIXO inserts

CZV 15 LG	size <b>49.16</b>	- Pg 13,5	MZV 15 LG20	size <b>49.16</b>	- M20	10
CZV 25 LG	size <b>66.16</b>	- Pg 16	MZV 25 LG20	size <b>66.16</b>	- M20	10



#### **standard**

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME, CMCE/CMCE 12 inserts

CHV 06 LG	size <b>44.27</b>	- Pg 16	MHV 06 LG25	size <b>44.27</b>	- M25	10
CHV 10 LG	size <b>57.27</b>	- Pg 16	MHV 10 LG25	size <b>57.27</b>	- M25	10
CHV 16 LG	size <b>77.27</b>	- Pg 21	MHV 16 LG32	size <b>77.27</b>	- M32	10
CHV 24 LG	size <b>104.27</b>	- Pg 21	MHV 24 LG32	size <b>104.27</b>	- M32	10
CHV 32 LG	size <b>77.62</b>	- Pg 36**	MHV 32 LG40	size <b>77.62</b>	- M40**	1

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMV 03 LG	size <b>57.27</b>	- Pg 16	MMV 03 LG25	size <b>57.27</b>	- M25	5
CMV 06 LG	size <b>77.27</b>	- Pg 21	MMV 06 LG32	size <b>77.27</b>	- M32	5
CMV 16 LG	size <b>104.27</b>	- Pg 21	MMV 16 LG32	size <b>104.27</b>	- M32	5

#### **high**

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAV 06 LG21	size <b>44.27</b>	- Pg 21**	MAV 06 LG25	size <b>44.27</b>	- M25**	5
CAV 06 LG29	size <b>44.27</b>	- Pg 29**	MAV 06 LG32	size <b>44.27</b>	- M32**	5
CAV 10 LG21	size <b>57.27</b>	- Pg 21**	MAV 10 LG25	size <b>57.27</b>	- M25**	5
CAV 10 LG29	size <b>57.27</b>	- Pg 29**	MAV 10 LG32	size <b>57.27</b>	- M32**	5
CAV 16 LG21	size <b>77.27</b>	- Pg 21**	MAV 16 LG25	size <b>77.27</b>	- M25**	5
CAV 16 LG29	size <b>77.27</b>	- Pg 29**	MAV 16 LG32	size <b>77.27</b>	- M32**	5
CAV 24 LG21	size <b>104.27</b>	- Pg 21**	MAV 24 LG25	size <b>104.27</b>	- M25**	5
CAV 24 LG29	size <b>104.27</b>	- Pg 29**	MAV 24 LG32	size <b>104.27</b>	- M32**	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAV 03 LG21	size <b>57.27</b>	- Pg 21	MMAV 03 LG25	size <b>57.27</b>	- M25	5
CMAV 03 LG29	size <b>57.27</b>	- Pg 29	MMAV 03 LG32	size <b>57.27</b>	- M32	5
CMAV 06 LG21	size <b>77.27</b>	- Pg 21	MMAV 06 LG25	size <b>77.27</b>	- M25	5
CMAV 06 LG29	size <b>77.27</b>	- Pg 29	MMAV 06 LG32	size <b>77.27</b>	- M32	5
CMAV 16 LG21	size <b>104.27</b>	- Pg 21	MMAV 16 LG25	size <b>104.27</b>	- M25	5
CMAV 16 LG29	size <b>104.27</b>	- Pg 29	MMAV 16 LG32	size <b>104.27</b>	- M32	5

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).

For further information please contact ILME SpA.

hoods from page 83



### without entry, to be pierced - with two pegs

to be coupled with: bulkhead or surface mounting housings with lever  
hoods with lever  
covers with lever  
The hoods ensure IP65 or IP66 (EN 60529) and IP69K (DIN 40050-9) by the housing with lever

#### **high**



standard version

CAC 06 L	size <b>44.27</b>	20
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For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## bulkhead mounting housings and hoods for inserts single locking lever

- CHO, CHV, MHO and MHV enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50 (except CP)

ILME  
part No. description

packaging



### bulkhead mounting housing with pegs and with gasket - IP66 (EN 60529)

to be coupled with: hoods with lever without gasket, see below

- The cover only ensures mechanical protection, but does not ensure IP protection rating

<b>metal cover</b>		
CHI 06 LCS	size 44.27	20
<b>plastic cover</b>		
CHI 06 LCP	size 44.27	20
<b>without cover</b>		
CHI 06 LC	size 44.27	20



### Pg and metric threading - hood with lever - without gasket - IP66 (EN 60529)

to be coupled with: bulkhead mounting housings with gasket and pegs for one lever, see above  
protection cover CHC 06 LC

## side entry

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, COE, MIXO inserts			
CHO 06 LX16	size 44.27 - Pg 16	MHO 06 LX20	size 44.27 - M20
	size 44.27 - Pg 16	MHO 06 LX25	size 44.27 - M25



## top entry

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CDD, COE, MIXO inserts			
CHV 06 LX16	size 44.27 - Pg 16	MHV 06 LX20	size 44.27 - M20
	size 44.27 - Pg 16	MHV 06 LX25	size 44.27 - M25

C - TYPE



## enclosures for inserts single locking lever protection cover

- CHO, CHV, MHO and MHV enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure protection rating when closed cover and locked with the closing lever. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50 (except OPT 24)

ILME  
part No.

description

packaging

### protection covers with pegs and gasket - IP65 (EN 60529)

**to be coupled with:** housings and hoods with one lever without gasket



CZC 15 L	size <b>49.16</b>		5
CZC 25 L	size <b>66.16</b>		5
CHC 06 LC	size <b>44.27</b>	- to be coupled with "LX" hoods	5



### protection covers with pegs without gasket - IP65 (EN 60529)

**to be coupled with:** housings and hoods with one lever and gasket

CHC 06 L	size <b>44.27</b>		5
CHC 10 L	size <b>57.27</b>		5
CHC 16 L	size <b>77.27</b>		5
CHC 24 L	size <b>104.27</b>		5
CHC 32 L	size <b>77.62</b>		1



### protection covers with lever without gasket - IP65 (EN 60529)

**to be coupled with:** hoods with pegs without gasket

CZC 15 LG	size <b>49.16</b>		5
CZC 25 LG	size <b>66.16</b>		5

### protection covers with lever and gasket - IP65 (EN 60529)

**to be coupled with:** hoods with pegs without gasket



CHC 06 LG	size <b>44.27</b>		5
CHC 10 LG	size <b>57.27</b>		5
CHC 16 LG	size <b>77.27</b>		5
CHC 24 LG	size <b>104.27</b>		5
CHC 32 LG	size <b>77.62</b>		5

### temporary protection cover for transportation - IP40

in self-extinguishing fibre glass reinforced thermoplastic material  
**to be coupled with:** housings and hoods with one or two levers  
hoods with pegs for one or two levers



CPT 24	size <b>104.27</b>		5
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N.B. - All the covers (except CHC 06/10/16/24/32 L, CHC 06 LC and CHC 06 LG)  
cannot be mounted on enclosures when these are used with code pins

C - TYPE



## bulkhead and surface mounting housings with double lever

- enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging

### bulkhead mounting housings with gasket and levers - IP66 (EN 60529)

**to be coupled with:** hoods without gasket, with pegs for two levers

protection covers with pegs for two levers

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)



#### standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CTS, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, MIXO, CME/CMCE 12 inserts

CHI 10	size <b>57.27</b>	40
CHI 16	size <b>77.27</b>	40
CHI 24	size <b>104.27</b>	40
CHI 32	size <b>77.62</b>	8
CHI 50	size <b>66.40</b>	10

#### insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMI 03	size <b>57.27</b>	5
CMI 06	size <b>77.27</b>	5
CMI 16	size <b>104.27</b>	5

C - TYPE

#### hoods from page 90



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## bulkhead and surface mounting housings with double lever

- enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - surface mounting housings with levers and gasket - IP66 (EN 60529)

to be coupled with: hoods without gasket, with pegs for two levers

protection covers with pegs for two levers

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### standard

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, CME/CMCE 12 MIXO inserts

CHP 10	size 57.27	- Pg 16	MHP 10.20	size 57.27	- M20	20*
CHP 10.2	size 57.27	- Pg 16 x 2	MHP 10.220	size 57.27	- M20 x 2	20
CHP 16	size 77.27	- Pg 21	MHP 16.25	size 77.27	- M25	20*
CHP 16.2	size 77.27	- Pg 21 x 2	MHP 16.225	size 77.27	- M25 x 2	10
CHP 24	size 104.27	- Pg 21	MHP 24.25	size 77.27	- M25	20*
CHP 24.2	size 104.27	- Pg 21 x 2	MHP 24.225	size 77.27	- M25 x 2	10
CHP 32	size 77.62	- Pg 36	MHP 32.40	size 77.62	- M40	8*
CHP 32.2	size 77.62	- Pg 36 x 2	MHP 32.240	size 77.62	- M40 x 2	8
CHP 32.29	size 77.62	- Pg 29				8
CHP 32.229	size 77.62	- Pg 29 x 2				1
CHP 32.42	size 77.62	- Pg 42	MHP 32.50	size 77.62	- M50	8
CHP 32.242	size 77.62	- Pg 42 x 2	MHP 32.250	size 77.62	- M50 x 2	8
CHP 50.21	size 66.40	- Pg 21	MHP 50.32	size 66.40	- M32	5
CHP 50.221	size 66.40	- Pg 21 x 2	MHP 50.232	size 66.40	- M32 x 2	5
CHP 50.29	size 66.40	- Pg 29	MHP 50.40	size 66.40	- M40	5
CHP 50.229	size 66.40	- Pg 29 x 2	MHP 50.240	size 66.40	- M40 x 2	5
insulating version for CME 3/6/10/16 or CMCE 16 inserts						
CMP 03	size 57.27	- Pg 16	MMP 03.20	size 57.27	- M20	5
CMP 03.2	size 57.27	- Pg 16 x 2	MMP 03.220	size 57.27	- M20 x 2	5
CMP 06	size 77.27	- Pg 21	MMP 06.25	size 77.27	- M25	5
CMP 06.2	size 77.27	- Pg 21 x 2	MMP 06.225	size 77.27	- M25 x 2	5
CMP 16	size 104.27	- Pg 21	MMP 16.25	size 77.27	- M25	5
CMP 16.2	size 104.27	- Pg 21 x 2	MMP 16.225	size 77.27	- M25 x 2	5



#### high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, MIXO inserts

CAP 10.21	size 57.27	- Pg 21	MAP 10.32	size 57.27	- M32	5
CAP 10.221	size 57.27	- Pg 21 x 2	MAP 10.232	size 57.27	- M32 x 2	5
CAP 10.29	size 57.27	- Pg 29	MAP 10.40	size 57.27	- M40	5
CAP 10.229	size 57.27	- Pg 29 x 2	MAP 10.240	size 57.27	- M40 x 2	5
CAP 16.21	size 77.27	- Pg 21	MAP 16.32	size 77.27	- M32	5
CAP 16.221	size 77.27	- Pg 21 x 2	MAP 16.232	size 77.27	- M32 x 2	5
CAP 16.29	size 77.27	- Pg 29	MAP 16.40	size 77.27	- M40	5
CAP 16.229	size 77.27	- Pg 29 x 2	MAP 16.240	size 77.27	- M40 x 2	5
CAP 24.21	size 104.27	- Pg 21	MAP 24.32	size 104.27	- M32	5
CAP 24.221	size 104.27	- Pg 21 x 2	MAP 24.232	size 104.27	- M32 x 2	5
CAP 24.29	size 104.27	- Pg 29	MAP 24.40	size 104.27	- M40	5
CAP 24.229	size 104.27	- Pg 29 x 2	MAP 24.240	size 104.27	- M40 x 2	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAP 03.21	size 57.27	- Pg 21	MMAP 03.32	size 57.27	- M32	5
CMAP 03.221	size 57.27	- Pg 21 x 2	MMAP 03.232	size 57.27	- M32 x 2	5
CMAP 03.29	size 57.27	- Pg 29	MMAP 03.40	size 57.27	- M40	5
CMAP 03.229	size 57.27	- Pg 29 x 2	MMAP 03.240	size 57.27	- M40 x 2	5
CMAP 06.21	size 77.27	- Pg 21	MMAP 06.32	size 77.27	- M32	5
CMAP 06.221	size 77.27	- Pg 21 x 2	MMAP 06.232	size 77.27	- M32 x 2	5
CMAP 06.29	size 77.27	- Pg 29	MMAP 06.40	size 77.27	- M40	5
CMAP 06.229	size 77.27	- Pg 29 x 2	MMAP 06.240	size 77.27	- M40 x 2	5
CMAP 16.21	size 104.27	- Pg 21	MMAP 16.32	size 104.27	- M32	5
CMAP 16.221	size 104.27	- Pg 21 x 2	MMAP 16.232	size 104.27	- M32 x 2	5
CMAP 16.29	size 104.27	- Pg 29	MMAP 16.40	size 104.27	- M40	5
CMAP 16.229	size 104.27	- Pg 29 x 2	MMAP 16.240	size 104.27	- M40 x 2	5

hoods from page 90



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## hoods for double lever

- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - side entry - with four pegs without gasket

to be coupled with: bulkhead or surface mounting housings with two levers and gasket

hoods with two levers and gasket

protection covers with two levers and gasket

The hoods ensure IP65, IP66 or IP67 (EN 60529) and IP69K (DIN 40050-9) by the housing with lever.

\*Thanks to V-Type (page 71) vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).

### standard

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDA, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12 inserts				
CHO 10*	size 57.27	- Pg 16	MHO 10.20*	size 57.27 - M20 20
CHO 16*	size 77.27	- Pg 21	MHO 10.25*	size 57.27 - M25 20
			MHO 16.25*	size 77.27 - M25 20
CHO 24*	size 104.27	- Pg 21	MHO 16.32*	size 77.27 - M32 20
			MHO 24.25*	size 104.27 - M25 20
			MHO 24.32*	size 104.27 - M32 20
CHO 32.29	size 77.62	- Pg 29**	MHO 32.32	size 77.62 - M32** 8
CHO 32	size 77.62	- Pg 36**	MHO 32.40	size 77.62 - M40** 8
CHO 32.42	size 77.62	- Pg 42**	MHO 32.50	size 77.62 - M50** 8
CHO 50	size 66.40	- Pg 21	MHO 50.25	size 66.40 - M25 10
			MHO 50.32	size 66.40 - M32 10

insulating version for CME 3/6/10/16 or CMCE 16

CMO 03	size 57.27	- Pg 16	MMO 03.20	size 57.27 - M20 5
			MMO 03.25	size 57.27 - M25 5
CMO 06	size 77.27	- Pg 21	MMO 06.25	size 77.27 - M25 5
			MMO 06.32	size 77.27 - M32 5
CMO 16	size 104.27	- Pg 21	MMO 16.25	size 104.27 - M25 5
			MMO 16.32	size 104.27 - M32 5



### high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDA, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts				
CAO 10.21*	size 57.27	- Pg 21	MAO 10.32*	size 57.27 - M32 5
CAO 10.29*	size 57.27	- Pg 29	MAO 10.40*	size 57.27 - M40 5
CAO 16.21*	size 77.27	- Pg 21	MAO 16.32*	size 77.27 - M32 10
CAO 16.29*	size 77.27	- Pg 29	MAO 16.40*	size 77.27 - M40 10
CAO 24.21*	size 104.27	- Pg 21	MAO 24.32*	size 104.27 - M32 10
CAO 24.29*	size 104.27	- Pg 29	MAO 24.40*	size 104.27 - M40 10
CAO 50.21	size 66.40	- Pg 21**	MAO 50.25	size 66.40 - M25** 10
CAO 50.29	size 66.40	- Pg 29**	MAO 50.32	size 66.40 - M32** 10

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAO 03.21	size 57.27	- Pg 21	MMAO 03.32	size 57.27 - M32 5
CMAO 03.29	size 57.27	- Pg 29	MMAO 03.40	size 57.27 - M40 5
CMAO 06.21	size 77.27	- Pg 21	MMAO 06.32	size 77.27 - M32 5
CMAO 06.29	size 77.27	- Pg 29	MMAO 06.40	size 77.27 - M40 5
CMAO 16.21	size 104.27	- Pg 21	MMAO 16.32	size 104.27 - M32 5
CMAO 16.29	size 104.27	- Pg 29	MMAO 16.40	size 104.27 - M40 5

NEW

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).

For further information please contact ILME SpA.



\*\*\*\*

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, COE, CMCE, CMSE, CP, CX, MIXO				
CQO 24*	size 104.27	- Pg 36***	MQO 24.40*	size 104.27- M40*** 5
CIO 24.36*	size 104.27	- Pg 36****	MIO 24.40*	size 104.27- M40**** 1
	size 104.27	- Pg 36****	MIO 24.50*	size 104.27- M50**** 1

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





## hoods for double lever

- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### standard

#### Pg and metric threading - top entry - with four pegs without gasket

to be coupled with: bulkhead or surface mounting housings with two levers and gasket hoods with two levers and gasket

protection covers with two levers and gasket

The hoods ensure IP65, IP66 or IP67 (EN 60529) and IP69K (DIN 40050-9) by the housing with lever.

\*Thanks to V-Type (page 71) vertical closing movement, the new lever offers an IP66/IP67 protection when fitted with a complete and coupled connector and used with ILME standard hoods in aluminum cast with pegs obtained by moulding (hoods without metal adaptor).

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CHV 10*	size 57.27	- Pg 16	MHV 10.20*	size 57.27	- M20	20
CHV 16*	size 77.27	- Pg 21	MHV 10.25*	size 57.27	- M25	20
CHV 24*	size 104.27	- Pg 21	MHV 16.25*	size 77.27	- M25	20
CHV 24.29*	size 104.27	- Pg 29	MHV 16.32*	size 77.27	- M32	20
CHV 32.29	size 77.62	- Pg 29**	MHV 24.25*	size 104.27	- M25	20
CHV 32	size 77.62	- Pg 36**	MHV 24.32*	size 104.27	- M32	20
CHV 32.42	size 77.62	- Pg 42**	MHV 24.40*	size 104.27	- M40	20
			MHV 32.32	size 77.62	- M32**	8
			MHV 32.40	size 77.62	- M40**	8
			MHV 32.50	size 77.62	- M50**	8
insulating version for CME 3/6/10/16 or CMCE 16 inserts						
CMV 03	size 57.27	- Pg 16	MMV 03.20	size 57.27	- M20	5
CMV 06	size 77.27	- Pg 21	MMV 03.25	size 57.27	- M25	5
CMV 16	size 104.27	- Pg 21	MMV 06.25	size 77.27	- M25	5
CMV 16.29	size 104.27	- Pg 29	MMV 06.32	size 77.27	- M32	5
			MMV 16.25	size 104.27	- M25	5
			MMV 16.32	size 104.27	- M32	5
			MMV 16.40	size 104.27	- M40	5



### high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDA, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAV 10.213	size 57.27	- Pg 13,5 x 2**	MAV 10.220	size 57.27	- M20 x 2**	5
CAV 10.21*	size 57.27	- Pg 21	MAV 10.32*	size 57.27	- M32	5
CAV 10.29*	size 57.27	- Pg 29	MAV 10.40*	size 57.27	- M40	5
CAV 16.216	size 77.27	- Pg 16 x 2**	MAV 16.220	size 77.27	- M20 x 2**	5
CAV 16.21*	size 77.27	- Pg 21	MAV 16.32*	size 77.27	- M32	10
CAV 16.221	size 77.27	- Pg 21 x 2**	MAV 16.225	size 77.27	- M25 x 2**	60
CAV 16.29*	size 77.27	- Pg 29	MAV 16.40*	size 77.27	- M40	10
CAV 24.21*	size 104.27	- Pg 21	MAV 24.32*	size 104.27	- M32	10
CAV 24.221	size 104.27	- Pg 21 x 2**	MAV 24.232	size 104.27	- M32 x 2**	5
CAV 24.29*	size 104.27	- Pg 29	MAV 24.40*	size 104.27	- M40	10
CAV 24.229	size 104.27	- Pg 29 x 2**				10
CAV 50.21	size 66.40	- Pg 21**	MAV 50.25	size 66.40	- M25**	10
CAV 50.29	size 66.40	- Pg 29**	MAV 50.32	size 66.40	- M32**	10
insulating version for CME 3/6/10/16 or CMCE 16 inserts						
CMAV 03.21	size 57.27	- Pg 21	MMAV 03.32	size 57.27	- M32	5
CMAV 03.29	size 57.27	- Pg 29	MMAV 03.40	size 57.27	- M40	5
CMAV 06.21	size 77.27	- Pg 21	MMAV 06.32	size 77.27	- M32	5
CMAV 06.29	size 77.27	- Pg 29	MMAV 06.40	size 77.27	- M40	5
CMAV 16.21	size 104.27	- Pg 21	MMAV 16.32	size 104.27	- M32	5
CMAV 16.29	size 104.27	- Pg 29	MMAV 16.40	size 104.27	- M40	5

NEW

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).  
For further information please contact ILME SpA.



Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, CQE, CMCE, CMSE, CP, CX, MIXO inserts

CQV 24*	size 104.27	- Pg 36***	MQV 24.40*	size 104.27-	M40***	5
CIV 24.36*	size 104.27	- Pg 36****	MIV 24.40*	size 104.27-	M40****	1
	size 104.27	- Pg 36****	MIV 24.50*	size 104.27-	M50****	1

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## hoods for double lever

- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - frontal entry - with four pegs without gasket

**to be coupled with:** bulkhead or surface mounting housings with two levers and gasket  
hoods with two levers and gasket  
protection covers with two levers and gasket  
The hoods ensure IP65 or IP66 (EN 60529) and IP69K (DIN 40050-9) by the housing with lever

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts					
CAF 10	size 57.27	- Pg 16**	MAF 10.20	size 57.27	- M20**
CAF 16	size 77.27	- Pg 21**	MAF 16.25	size 77.27	- M25**
CAF 16.221	size 77.27	- Pg 21 x 2**	MAF 16.225	size 77.27	- M25 x 2**
CAF 24.21	size 104.27	- Pg 21**	MAF 24.25	size 104.27	- M25**
CAF 24.221	size 104.27	- Pg 21 x 2**	MAF 24.225	size 104.27	- M25 x 2**
CAF 24.29	size 104.27	- Pg 29**	MAF 24.32	size 104.27	- M32**

insulating version for CME 3/6/10/16 or CMCE 16 inserts					
CMAF 03	size 57.27	- Pg 16**	MMAF 03.20	size 57.27	- M20
CMAF 06	size 77.27	- Pg 21**	MMAF 06.25	size 77.27	- M25
CMAF 16.21	size 104.27	- Pg 21**	MMAF 16.25	size 104.27	- M25
CMAF 16.29	size 104.27	- Pg 29**	MMAF 16.32	size 104.27	- M32

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).

For further information please contact ILME SpA.



### without entry - to be pierced - with pegs without gasket

**to be coupled with:** bulkhead or surface mounting housings with two levers and gasket  
hoods with two levers and gasket  
protection covers with two levers and gasket

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts		
CAC 10	size 57.27	20
CAC 16	size 77.27	20
CAC 24	size 104.27	5

C - TYPE



## hoods with double lever

- enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



\*\*

### Pg and metric threading - top entry - with levers and gasket - IP66 (EN 60529)

to be coupled with: hoods without gasket with pegs for two levers  
protection covers with pegs for two levers

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### standard

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12 inserts

CHV 10 G	size <b>57.27</b>	- Pg 16	MHV 10 G25	size <b>57.27</b>	- M25	10
CHV 16 G	size <b>77.27</b>	- Pg 21	MHV 16 G32	size <b>77.27</b>	- M32	10
CHV 24 G	size <b>104.27</b>	- Pg 21	MHV 24 G32	size <b>104.27</b>	- M32	10
CHV 32 G29	size <b>77.62</b>	- Pg 29**	MHV 32 G32	size <b>77.62</b>	- M32**	1
CHV 32 G	size <b>77.62</b>	- Pg 36**	MHV 32 G40	size <b>77.62</b>	- M40**	2
CHV 32 G42	size <b>77.62</b>	- Pg 42**	MHV 32 G50	size <b>77.62</b>	- M50**	1

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMV 03 G	size <b>57.27</b>	- Pg 16	MMV 03 G25	size <b>57.27</b>	- M25	5
CMV 06 G	size <b>77.27</b>	- Pg 21	MMV 06 G32	size <b>77.27</b>	- M32	5
CMV 16 G	size <b>104.27</b>	- Pg 21	MMV 16 G32	size <b>104.27</b>	- M32	5



\*\*

#### high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD 40/64, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAV 10 G	size <b>57.27</b>	- Pg 21**	MAV 10 G25	size <b>57.27</b>	- M25**	5
CAV 10 G29	size <b>57.27</b>	- Pg 29**	MAV 10 G32	size <b>57.27</b>	- M32**	5
CAV 16 G	size <b>77.27</b>	- Pg 21**	MAV 16 G25	size <b>77.27</b>	- M25**	10
CAV 16 G29	size <b>77.27</b>	- Pg 29**	MAV 16 G32	size <b>77.27</b>	- M32**	10
CAV 24 G	size <b>104.27</b>	- Pg 21**	MAV 24 G25	size <b>104.27</b>	- M25**	5
CAV 24 G29	size <b>104.27</b>	- Pg 29**	MAV 24 G32	size <b>104.27</b>	- M32**	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAV 03 G	size <b>57.27</b>	- Pg 21	MMAV 03 G25	size <b>57.27</b>	- M25	5
CMAV 03 G29	size <b>57.27</b>	- Pg 29	MMAV 03 G32	size <b>57.27</b>	- M32	5
CMAV 06 G	size <b>77.27</b>	- Pg 21	MMAV 06 G25	size <b>77.27</b>	- M25	5
CMAV 06 G29	size <b>77.27</b>	- Pg 29	MMAV 06 G32	size <b>77.27</b>	- M32	5
CMAV 16 G	size <b>104.27</b>	- Pg 21	MMAV 16 G25	size <b>104.27</b>	- M25	5
CMAV 16 G29	size <b>104.27</b>	- Pg 29	MMAV 16 G32	size <b>104.27</b>	- M32	5

\*\* threaded cable entry with metal adapter. As alternative we can supply this hood with threaded entry, without adapter (use complete cable glands only).

For further information please contact ILME SpA.

C - TYPE

hoods from page 90



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## bulkhead mounting housings for double lever

- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50 (except CP)

ILME  
part No.

description

packaging



### bulkhead mounting housing with gasket and pegs - IP66 (EN 60529)

**to be coupled with:** hoods without gasket, with two levers (X)

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, MIXO, CME/CMCE 12 inserts		
CHI 10 C	size 57.27	5
CHI 16 C	size 77.27	5
CHI 24 C	size 104.27	5
CHI 32 C	size 77.62	8
CHI 50 C	size 66.40	10
insulating version for CME 3/6/10/16 or CMCE 16 inserts		
CMI 03 C	size 57.27	5
CMI 06 C	size 77.27	5
CMI 16 C	size 104.27	5



### bulkhead mounting housing with pegs and metal cover - IP66 (EN 60529)

**to be coupled with:** hoods without gasket, with two levers (X)

- The cover only ensures mechanical protection, but does not ensure IP protection rating

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, CME/CMCE 12, MIXO inserts		
CHI 10 CS	size 57.27	20
CHI 16 CS	size 77.27	20
CHI 24 CS	size 104.27	20
CHI 32 CS	size 77.62	8
CHI 50 CS	size 66.40	10
insulating version for CME 3/6/10/16 or CMCE 16 inserts		
CMI 03 CS	size 57.27	5
CMI 06 CS	size 77.27	5
CMI 16 CS	size 104.27	5



### bulkhead mounting housing with pegs and plastic cover - IP66 (EN 60529)

**to be coupled with:** hoods without gasket, with two levers (X)

- The cover only ensures mechanical protection, but does not ensure IP protection rating

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CTSE, CT, CD, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts		
CHI 10 CP	size 57.27	20
CHI 16 CP	size 77.27	20
CHI 24 CP	size 104.27	20
insulating version for CME 3/6/10/16 or CMCE 16 inserts		
CMI 03 CP	size 57.27	5
CMI 06 CP	size 77.27	5
CMI 16 CP	size 104.27	5

hoods from page 97



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## surface mounting housings for double lever

- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - surface mounting housings with pegs and metal cover - IP66 (EN 60529)

to be coupled with: hoods without gasket, with two levers (X)

- The cover only ensures mechanical protection, but does not ensure IP protection rating  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### standard

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, CQE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, MIXO inserts					
CHP 10 CS	size 57.27	- Pg 16	MHP 10 CS20	size 57.27	- M20
CHP 10 CS2	size 57.27	- Pg 16 x 2	MHP 10 CS220	size 57.27	- M20 x 2
CHP 16 CS	size 77.27	- Pg 21	MHP 16 CS25	size 77.27	- M25
CHP 16 CS2	size 77.27	- Pg 21 x 2	MHP 16 CS225	size 77.27	- M25 x 2
CHP 24 CS	size 104.27	- Pg 21	MHP 24 CS25	size 104.27	- M25
CHP 24 CS2	size 104.27	- Pg 21 x 2	MHP 24 CS225	size 104.27	- M25 x 2
CHP 50 CS	size 66.40	- Pg 21	MHP 50 CS32	size 66.40	- M32
CHP 50 CS2	size 66.40	- Pg 21 x 2	MHP 50 CS232	size 66.40	- M32 x 2
CHP 50 CS29	size 66.40	- Pg 29	MHP 50 CS40	size 66.40	- M40
CHP 50 CS229	size 66.40	- Pg 29 x 2	MHP 50 CS240	size 66.40	- M40 x 2

insulating version for CME 3/6/10/16 or CMCE 16 inserts					
CMP 03 CS	size 57.27	- Pg 16	MMP 03 CS20	size 57.27	- M20
CMP 03 CS2	size 57.27	- Pg 16 x 2	MMP 03 CS220	size 57.27	- M20 x 2
CMP 06 CS	size 77.27	- Pg 21	MMP 06 CS25	size 77.27	- M25
CMP 06 CS2	size 77.27	- Pg 21 x 2	MMP 06 CS225	size 77.27	- M25 x 2
CMP 16 CS	size 104.27	- Pg 21	MMP 16 CS25	size 104.27	- M25
CMP 16 CS2	size 104.27	- Pg 21 x 2	MMP 16 CS225	size 104.27	- M25 x 2



#### high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, CQE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts					
CAP 10 CS	size 57.27	- Pg 21	MAP 10 CS32	size 57.27	- M32
CAP 10 CS2	size 57.27	- Pg 21 x 2	MAP 10 CS232	size 57.27	- M32 x 2
CAP 10 CS29	size 57.27	- Pg 29	MAP 10 CS40	size 57.27	- M40
CAP 10 CS229	size 57.27	- Pg 29 x 2	MAP 10 CS240	size 57.27	- M40 x 2
CAP 16 CS	size 77.27	- Pg 21	MAP 16 CS32	size 77.27	- M32
CAP 16 CS2	size 77.27	- Pg 21 x 2	MAP 16 CS232	size 77.27	- M32 x 2
CAP 16 CS29	size 77.27	- Pg 29	MAP 16 CS40	size 77.27	- M40
CAP 16 CS229	size 77.27	- Pg 29 x 2	MAP 16 CS240	size 77.27	- M40 x 2
CAP 24 CS	size 104.27	- Pg 21	MAP 24 CS32	size 104.27	- M32
CAP 24 CS2	size 104.27	- Pg 21 x 2	MAP 24 CS232	size 104.27	- M32 x 2
CAP 24 CS29	size 104.27	- Pg 29	MAP 24 CS40	size 104.27	- M40
CAP 24 CS229	size 104.27	- Pg 29 x 2	MAP 24 CS240	size 104.27	- M40 x 2

insulating version for CME 3/6/10/16 or CMCE 16 inserts					
CMAP 03 CS	size 57.27	- Pg 21	MMAP 03 CS32	size 57.27	- M32
CMAP 03 CS2	size 57.27	- Pg 21 x 2	MMAP 03CS232	size 57.27	- M32 x 2
CMAP 03 CS29	size 57.27	- Pg 29	MMAP 03 CS40	size 57.27	- M40
CMAP 03CS229	size 57.27	- Pg 29 x 2	MMAP 03CS240	size 57.27	- M40 x 2
CMAP 06 CS	size 77.27	- Pg 21	MMAP 06 CS32	size 77.27	- M32
CMAP 06 CS2	size 77.27	- Pg 21 x 2	MMAP 06CS232	size 77.27	- M32 x 2
CMAP 06 CS29	size 77.27	- Pg 29	MMAP 06 CS40	size 77.27	- M40
CMAP 06CS229	size 77.27	- Pg 29 x 2	MMAP 06CS240	size 77.27	- M40 x 2
CMAP 16 CS	size 104.27	- Pg 21	MMAP 16 CS32	size 104.27	- M32
CMAP 16 CS2	size 104.27	- Pg 21 x 2	MMAP 16CS232	size 104.27	- M32 x 2
CMAP 16 CS29	size 104.27	- Pg 29	MMAP 16 CS40	size 104.27	- M40
CMAP 16CS229	size 104.27	- Pg 29 x 2	MMAP 16CS240	size 104.27	- M40 x 2

hoods from page 97



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## surface mounting housings for double lever

- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.

ILME  
part No.

description

packaging



### standard

### Pg and metric threading - surface mounting housings with pegs and plastic cover - IP66 (EN 60529)

to be coupled with: hoods without gasket, with two levers (X)

- The cover only ensures mechanical protection, but does not ensure IP protection rating

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CHP 10 CP	size 57.27	- Pg 16	MHP 10 CP20	size 57.27	- M20	10
CHP 10 CP2	size 57.27	- Pg 16 x 2	MHP 10 CP220	size 57.27	- M20 x 2	10
CHP 16 CP	size 77.27	- Pg 21	MHP 16 CP25	size 77.27	- M25	10
CHP 16 CP2	size 77.27	- Pg 21 x 2	MHP 16 CP225	size 77.27	- M25 x 2	10
CHP 24 CP	size 104.27	- Pg 21	MHP 24 CP25	size 104.27	- M25	10
CHP 24 CP2	size 104.27	- Pg 21 x 2	MHP 24 CP225	size 104.27	- M25 x 2	10

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMP 03 CP	size 57.27	- Pg 16	MMP 03 CP20	size 57.27	- M20	1
CMP 03 CP2	size 57.27	- Pg 16 x 2	MMP 03 CP220	size 57.27	- M20 x 2	1
CMP 06 CP	size 77.27	- Pg 21	MMP 06 CP25	size 77.27	- M25	1
CMP 06 CP2	size 77.27	- Pg 21 x 2	MMP 06 CP225	size 77.27	- M25 x 2	1
CMP 16 CP	size 104.27	- Pg 21	MMP 16 CP25	size 104.27	- M25	1
CMP 16 CP2	size 104.27	- Pg 21 x 2	MMP 16 CP225	size 104.27	- M25 x 2	1

### high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAP 10 CP	size 57.27	- Pg 21	MAP 10 CP32	size 57.27	- M32	1
CAP 10 CP2	size 57.27	- Pg 21 x 2	MAP 10 CP232	size 57.27	- M32 x 2	5
CAP 10 CP29	size 57.27	- Pg 29	MAP 10 CP40	size 57.27	- M40	1
CAP 10 CP229	size 57.27	- Pg 29 x 2	MAP 10 CP240	size 57.27	- M40 x 2	1
CAP 16 CP	size 77.27	- Pg 21	MAP 16 CP32	size 77.27	- M32	1
CAP 16 CP2	size 77.27	- Pg 21 x 2	MAP 16 CP232	size 77.27	- M32 x 2	5
CAP 16 CP29	size 77.27	- Pg 29	MAP 16 CP40	size 77.27	- M40	5
CAP 16 CP229	size 77.27	- Pg 29 x 2	MAP 16 CP240	size 77.27	- M40 x 2	5
CAP 24 CP	size 104.27	- Pg 21	MAP 24 CP32	size 104.27	- M32	1
CAP 24 CP2	size 104.27	- Pg 21 x 2	MAP 24 CP232	size 104.27	- M32 x 2	5
CAP 24 CP29	size 104.27	- Pg 29	MAP 24 CP40	size 104.27	- M40	1
CAP 24 CP229	size 104.27	- Pg 29 x 2	MAP 24 CP240	size 104.27	- M40 x 2	5

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMA 03 CP	size 57.27	- Pg 21	MMAP 03 CP32	size 57.27	- M32	1
CMA 03 CP2	size 57.27	- Pg 21 x 2	MMAP 03CP232	size 57.27	- M32 x 2	1
CMA 03 CP29	size 57.27	- Pg 29	MMAP 03 CP40	size 57.27	- M40	1
CMA 03CP229	size 57.27	- Pg 29 x 2	MMAP 03CP240	size 57.27	- M40 x 2	1
CMA 06 CP	size 77.27	- Pg 21	MMAP 06 CP32	size 77.27	- M32	1
CMA 06 CP2	size 77.27	- Pg 21 x 2	MMAP 06CP232	size 77.27	- M32 x 2	1
CMA 06 CP29	size 77.27	- Pg 29	MMAP 06 CP40	size 77.27	- M40	1
CMA 06CP229	size 77.27	- Pg 29 x 2	MMAP 06CP240	size 77.27	- M40 x 2	1
CMA 16 CP	size 104.27	- Pg 21	MMAP 16 CP32	size 104.27	- M32	1
CMA 16 CP2	size 104.27	- Pg 21 x 2	MMAP 16CP232	size 104.27	- M32 x 2	1
CMA 16 CP29	size 104.27	- Pg 29	MMAP 16 CP40	size 104.27	- M40	1
CMA 16CP229	size 104.27	- Pg 29 x 2	MMAP 16CP240	size 104.27	- M40 x 2	1

hoods from page 97



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## hoods with double lever

- enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



### Pg and metric threading - side entry - with levers without gasket - IP66 (EN 60529)

to be coupled with: bulkhead or surface mounting housings with pegs, cover and gasket (C-CP-CS)

protection covers with pegs and gasket for two levers (C)

The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

#### standard

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, MIXO, CME/CMCE 12 inserts

CHO 10 X	size <b>57.27</b>	- Pg 16	MHO 10 X20	size <b>57.27</b>	- M20	10
			MHO 10 X25	size <b>57.27</b>	- M25	10
CHO 16 X	size <b>77.27</b>	- Pg 21	MHO 16 X25	size <b>77.27</b>	- M25	10
			MHO 16 X32	size <b>77.27</b>	- M32	10
CHO 24 X	size <b>104.27</b>	- Pg 21	MHO 24 X25	size <b>104.27</b>	- M25	10
			MHO 24 X32	size <b>104.27</b>	- M32	10
CHO 32 X	size <b>77.62</b>	- Pg 36	MHO 32 X40	size <b>77.62</b>	- M40	10
CHO 50 X	size <b>66.40</b>	- Pg 21	MHO 50 X25	size <b>66.40</b>	- M25	10
			MHO 50 X32	size <b>66.40</b>	- M32	10

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMO 03 X	size <b>57.27</b>	- Pg 16	MMO 03 X20	size <b>57.27</b>	- M20	5
			MMO 03 X25	size <b>57.27</b>	- M25	5
CMO 06 X	size <b>77.27</b>	- Pg 21	MMO 06 X25	size <b>77.27</b>	- M25	5
			MMO 06 X32	size <b>77.27</b>	- M32	5
CMO 16 X	size <b>104.27</b>	- Pg 21	MMO 16 X25	size <b>104.27</b>	- M25	5
			MMO 16 X32	size <b>104.27</b>	- M32	5

#### high

Pg part No.

Metric part No.

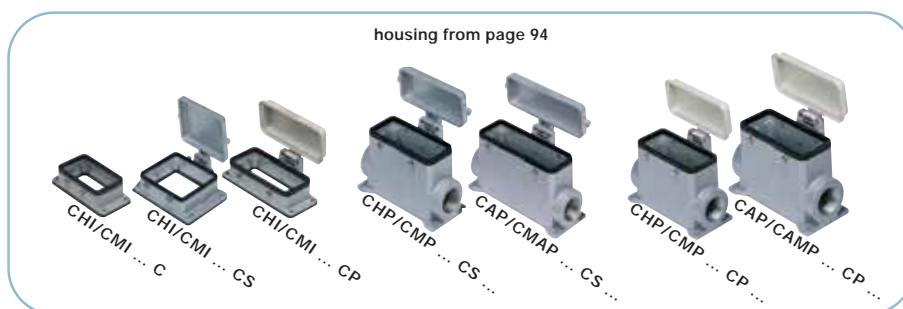
standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, COE, CMCE 3/6/10, CMSE, CDA 32, CP, CX, MIXO inserts

CAO 10 X	size <b>57.27</b>	- Pg 21	MAO 10 X32	size <b>57.27</b>	- M32	5
CAO 10 X29	size <b>57.27</b>	- Pg 29	MAO 10 X40	size <b>57.27</b>	- M40	5
CAO 16 X	size <b>77.27</b>	- Pg 21	MAO 16 X32	size <b>77.27</b>	- M32	5
CAO 16 X29	size <b>77.27</b>	- Pg 29	MAO 16 X40	size <b>77.27</b>	- M40	5
CAO 24 X	size <b>104.27</b>	- Pg 21	MAO 24 X32	size <b>104.27</b>	- M32	5
CAO 24 X29	size <b>104.27</b>	- Pg 29	MAO 24 X40	size <b>104.27</b>	- M40	5
CAO 50 X	size <b>66.40</b>	- Pg 21	MAO 50 X25	size <b>66.40</b>	- M25	10
CAO 50 X29	size <b>66.40</b>	- Pg 29	MAO 50 X32	size <b>66.40</b>	- M40	10

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAO 03 X	size <b>57.27</b>	- Pg 21	MMAO 03 X32	size <b>57.27</b>	- M32	5
CMAO 03 X29	size <b>57.27</b>	- Pg 29	MMAO 03 X40	size <b>57.27</b>	- M40	5
CMAO 06 X	size <b>77.27</b>	- Pg 21	MMAO 06 X32	size <b>77.27</b>	- M32	5
CMAO 06 X29	size <b>77.27</b>	- Pg 29	MMAO 06 X40	size <b>77.27</b>	- M40	5
CMAO 16 X	size <b>104.27</b>	- Pg 21	MMAO 16 X32	size <b>104.27</b>	- M32	5
CMAO 16 X29	size <b>104.27</b>	- Pg 29	MMAO 16 X40	size <b>104.27</b>	- M40	5

C - TYPE



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hoods  
with double  
lever

- enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure IP protection rating when mated and locked with the closing levers. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging



standard

### Pg and metric threading - top entry - with levers without gasket - IP66 (EN 60529)

to be coupled with: bulkhead or surface mounting housings with pegs, cover and gasket (C-CP-CS)  
protection covers with pegs and gasket for two levers (C)  
The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CD, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO, CME/CMCE 12 inserts

CHV 10 X	size 57.27	- Pg 16	MHV 10 X20	size 57.27	- M20	10
			MHV 10 X25	size 57.27	- M25	10
CHV 16 X	size 77.27	- Pg 21	MHV 16 X25	size 77.27	- M25	10
			MHV 16 X32	size 77.27	- M32	10
CHV 24 X	size 104.27	- Pg 21	MHV 24 X25	size 104.27	- M25	10
			MHV 24 X32	size 104.27	- M32	10
CHV 32 X	size 77.62	- Pg 36	MHV 32 X40	size 77.62	- M40	8

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMV 03 X	size 57.27	- Pg 16	MMV 03 X20	size 57.27	- M20	5
			MMV 03 X25	size 57.27	- M25	5
CMV 06 X	size 77.27	- Pg 21	MMV 06 X25	size 77.27	- M25	5
			MMV 06 X32	size 77.27	- M32	5
CMV 16 X	size 104.27	- Pg 21	MMV 16 X25	size 104.27	- M25	5
			MMV 16 X32	size 104.27	- M32	5

high

Pg part No.

Metric part No.

standard version for JCNE, JCSE, CSH, CNE, CCE, CSE, CSS, CD, CDD, COE, CMCE 3/6/10, CMSE, CP, CX, MIXO inserts

CAV 10 X	size 57.27	- Pg 21	MAV 10 X32	size 57.27	- M32	5
CAV 10 X29	size 57.27	- Pg 29	MAV 10 X40	size 57.27	- M40	5
CAV 16 X	size 77.27	- Pg 21	MAV 16 X32	size 77.27	- M32	5
CAV 16 X29	size 77.27	- Pg 29	MAV 16 X40	size 77.27	- M40	5
CAV 24 X	size 104.27	- Pg 21	MAV 24 X32	size 104.27	- M32	5
CAV 24 X29	size 104.27	- Pg 29	MAV 24 X40	size 104.27	- M40	5
CAV 50 X	size 66.40	- Pg 21	MAV 50 X25	size 66.40	- M25	10
CAV 50 X29	size 66.40	- Pg 29	MAV 50 X32	size 66.40	- M40	10

insulating version for CME 3/6/10/16 or CMCE 16 inserts

CMAV 03 X	size 57.27	- Pg 21	MMAV 03 X32	size 57.27	- M32	5
CMAV 03 X29	size 57.27	- Pg 29	MMAV 03 X40	size 57.27	- M40	5
CMAV 06 X	size 77.27	- Pg 21	MMAV 06 X32	size 77.27	- M32	5
CMAV 06 X29	size 77.27	- Pg 29	MMAV 06 X40	size 77.27	- M40	5
CMAV 16 X	size 104.27	- Pg 21	MMAV 16 X32	size 104.27	- M32	5
CMAV 16 X29	size 104.27	- Pg 29	MMAV 16 X40	size 104.27	- M40	5

housing from page 94



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## protection covers

- enclosures with stainless steel lever and handle in thermoplastic self-extinguishing material
- the enclosures ensure protection rating when closed cover and locked with the closing lever. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50 (except CPT 24)

ILME  
part No.

description

packaging



### protection covers with pegs without gasket - IP65

**to be coupled with:** housings and hoods with two levers and gasket page 88

#### with peghs

CHC 10	size <b>57.27</b>	5
CHC 16	size <b>77.27</b>	5
CHC 24	size <b>104.27</b>	5
CHC 32	size <b>77.62</b>	1
CHC 50	size <b>66.40</b>	1



### protection covers with pegs and gasket - IP65

**to be coupled with:** hoods with two levers without gasket (X) page 97

#### with pegs

CHC 10 C	size <b>57.27</b>	5
CHC 16 C	size <b>77.27</b>	5
CHC 24 C	size <b>104.27</b>	5
CHC 32 C	size <b>77.62</b>	1



### protection covers with levers and gasket - IP65

**to be coupled with:** hoods with pegs for two levers without gasket page 90

#### with levers

CHC 10 G	size <b>57.27</b>	5
CHC 16 G	size <b>77.27</b>	5
CHC 24 G	size <b>104.27</b>	5
CHC 32 G	size <b>77.62</b>	1
CHC 50 G	size <b>66.40</b>	1



### temporary protection cover for transportation - IP40

in self-extinguishing fibre glass reinforced thermoplastic material

**to be coupled with:** housings and hoods with one or two levers  
hoods with pegs for one or two levers

CPT 24	size <b>104.27</b>	5
--------	--------------------	---




N.B. - *Il t e co ers e ce t 10 16 24 2 cannot be mounte on t e enclosures en t ese are use it co e ins*

C - TYPE



hoods for  
ribbon cable  
double lever

- the enclosures ensure protection rating when closed cover and locked with the closing lever

ILME part No.	description		packaging
	standard version - IP65 (EN 60529)		
	size 104.27		
	CAN 24	with levers, side entry	5
	insulated version - for CME 10/16 and CMCE16 inserts - IP65 (EN 60529)		
	size 104.27		
	CMAN 16	with levers, side entry	1
	seals for ribbon cable hood (supplied separately)		
	CRN 1	a slot for cable sizes 18,8 x 5,8 mm	1
	CRN 2	a slot for cable sizes 63,8 x 5,1 mm	1
	CRN 3	a slot for cable sizes 36 x 9 mm	1
	CRN P	not pre-drilled	1

C - TYPE

JEI Housings from page 67



C-TYPE Housings from page 88



V-TYPE Housings from page 71



# CNZ

complete connectors





complete connectors 16A max - 500V/6kV/3  
**Pg and metric threading**  
 with V-type stainless steel locking enclosures  
 CNE..T series, **screw connection inserts**

- inserts included, cable glands not included
- the enclosures ensure protection IP66 with CV series or protection IP67 with C7 series when closed cover and locked with the closing lever
- CNE..T inserts features see page 22

drawing

ILME  
part No.

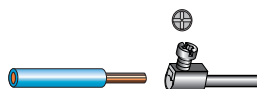
description

packaging

**Pg threading**

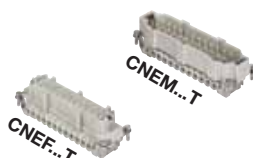


		housing	female insert	hood	male insert side entry	
<b>One lever</b>	<b>bulkhead mounting</b>					
<b>CNLZ 06 IO</b>	6 poles + ⊕	C7I 06 L	CNEF 06 T	CHO 06 L16	CNEM 06 T	20
<b>CNLZ 10 IO</b>	10 poles + ⊕	CVI 10 L	CNEF 10 T	CHO 10 L	CNEM 10 T	20
<b>CNLZ 16 IO</b>	16 poles + ⊕	CVI 16 L	CNEF 16 T	CHO 16 L	CNEM 16 T	20
<b>CNLZ 24 IO</b>	24 poles + ⊕	CVI 24 L	CNEF 24 T	CHO 24 L	CNEM 24 T	20
<b>two levers</b>						
<b>CNZ 10 IO</b>	10 poles + ⊕	C7I 10	CNEF 10 T	CHO 10	CNEM 10 T	20
<b>CNZ 16 IO</b>	16 poles + ⊕	C7I 16	CNEF 16 T	CHO 16	CNEM 16 T	20
<b>CNZ 24 IO</b>	24 poles + ⊕	C7I 24	CNEF 24 T	CHO 24	CNEM 24 T	20
<b>One lever</b>	<b>surface mounting</b>					
<b>CNLZ 06 PO</b>	6 poles + ⊕	C7P 06 L	CNEF 06 T	CHO 06 L16	CNEM 06 T	20
<b>two levers</b>						
<b>CNZ 10 PO</b>	10 poles + ⊕	C7P 10	CNEF 10 T	CHO 10	CNEM 10 T	20
<b>CNZ 16 PO</b>	16 poles + ⊕	C7P 16	CNEF 16 T	CHO 16	CNEM 16 T	20
<b>CNZ 24 PO</b>	24 poles + ⊕	C7P 24	CNEF 24 T	CHO 24	CNEM 24 T	20
<b>One lever</b>	<b>bulkhead mounting</b>			<b>hood top entry</b>	<b>male insert</b>	
<b>CNLZ 06 IV</b>	6 poles + ⊕	C7I 06 L	CNEF 06 T	CHV 06 L16	CNEM 06 T	20
<b>CNLZ 10 IV</b>	10 poles + ⊕	CVI 10 L	CNEF 10 T	CHV 10 L	CNEM 10 T	20
<b>CNLZ 16 IV</b>	16 poles + ⊕	CVI 16 L	CNEF 16 T	CHV 16 L	CNEM 16 T	20
<b>CNLZ 24 IV</b>	24 poles + ⊕	CVI 24 L	CNEF 24 T	CHV 24 L	CNEM 24 T	20
<b>two levers</b>						
<b>CNZ 10 IV</b>	10 poles + ⊕	C7I 10	CNEF 10 T	CHV 10	CNEM 10 T	20
<b>CNZ 16 IV</b>	16 poles + ⊕	C7I 16	CNEF 16 T	CHV 16	CNEM 16 T	20
<b>CNZ 24 IV</b>	24 poles + ⊕	C7I 24	CNEF 24 T	CHV 24	CNEM 24 T	20
<b>One lever</b>	<b>surface mounting</b>					
<b>CNLZ 06 PV</b>	6 poles + ⊕	C7P 06 L	CNEF 06 T	CHV 06 L16	CNEM 06 T	20
<b>two levers</b>						
<b>CNZ 10 PV</b>	10 poles + ⊕	C7P 10	CNEF 10 T	CHV 10	CNEM 10 T	20
<b>CNZ 16 PV</b>	16 poles + ⊕	C7P 16	CNEF 16 T	CHV 16	CNEM 16 T	20
<b>CNZ 24 PV</b>	24 poles + ⊕	C7P 24	CNEF 24 T	CHV 24	CNEM 24 T	20
<b>One lever</b>	<b>hood with lever</b>	<b>hood top entry</b>	<b>female insert</b>	<b>hood top entry</b>	<b>male inserts</b>	
<b>CNLZ 06 VG</b>	6 poles + ⊕	CVV 06 LG	CNEF 06 T	CHV 06 L16	CNEM 06 T	20
<b>two levers</b>						
<b>CNZ 10 VG</b>	10 poles + ⊕	CW 10 G	CNEF 10 T	CHV 10	CNEM 10 T	20
<b>CNZ 16 VG</b>	16 poles + ⊕	CW 16 G	CNEF 16 T	CHV 16	CNEM 16 T	20
<b>CNZ 24 VG</b>	24 poles + ⊕	CVV 24 G	CNEF 24 T	CHV 24	CNEM 24 T	20



C - TYPE

Inserts  
at page 22



Housings  
at page 71



Hoods  
at pages 90 and 91



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complete connectors 16A max - 500V/6kV/3  
**Pg and metric threading**  
with V-type stainless steel locking enclosures  
CNE..T series, **screw connection inserts**

- inserts included, cable glands not included
- the enclosures ensure protection IP66 with CV series or protection IP67 with C7 series when closed cover and locked with the closing lever
- CNE..T inserts features see page 22

drawing

ILME  
part No.

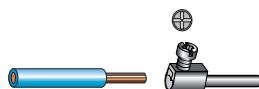
description

packaging

**Metric  
threading**

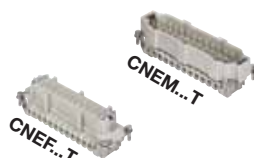


		housing	female insert	hood	male insert side entry	
<b>One lever bulkhead mounting</b>						
MNLZ 06 IO	6 poles + ⊕	C7I 06 L	CNEF 06 T	MHO 06 L25	CNEM 06 T	20
MNLZ 10 IO	10 poles + ⊕	CVI 10 L	CNEF 10 T	MHO 10 L25	CNEM 10 T	20
MNLZ 16 IO	16 poles + ⊕	CVI 16 L	CNEF 16 T	MHO 16 L32	CNEM 16 T	20
MNLZ 24 IO	24 poles + ⊕	CVI 24 L	CNEF 24 T	MHO 24 L32	CNEM 24 T	20
<b>two levers</b>						
MNZ 10 IO	10 poles + ⊕	C7I 10	CNEF 10 T	MHO 10.25	CNEM 10 T	20
MNZ 16 IO	16 poles + ⊕	C7I 16	CNEF 16 T	MHO 16.32	CNEM 16 T	20
MNZ 24 IO	24 poles + ⊕	C7I 24	CNEF 24 T	MHO 24.32	CNEM 24 T	20
<b>One lever surface mounting</b>						
MNLZ 06 PO	6 poles + ⊕	M7P 06 L20	CNEF 06 T	MHO 06 L25	CNEM 06 T	20
<b>two levers</b>						
MNZ 10 PO	10 poles + ⊕	M7P 10.20	CNEF 10 T	MHO 10.25	CNEM 10 T	20
MNZ 16 PO	16 poles + ⊕	M7P 16.25	CNEF 16 T	MHO 16.32	CNEM 16 T	20
MNZ 24 PO	24 poles + ⊕	M7P 24.25	CNEF 24 T	MHO 24.32	CNEM 24 T	20
<b>One lever bulkhead mounting</b>						
MNLZ 06 IV	6 poles + ⊕	C7I 06 L	CNEF 06 T	MHV 06 L25	CNEM 06 T	20
MNLZ 10 IV	10 poles + ⊕	CVI 10 L	CNEF 10 T	MHV 10 L25	CNEM 10 T	20
MNLZ 16 IV	16 poles + ⊕	CVI 16 L	CNEF 16 T	MHV 16 L32	CNEM 16 T	20
MNLZ 24 IV	24 poles + ⊕	CVI 24 L	CNEF 24 T	MHV 24 L32	CNEM 24 T	20
<b>two levers</b>						
MNZ 10 IV	10 poles + ⊕	C7I 10	CNEF 10 T	MHV 10.25	CNEM 10 T	20
MNZ 16 IV	16 poles + ⊕	C7I 16	CNEF 16 T	MHV 16.32	CNEM 16 T	20
MNZ 24 IV	24 poles + ⊕	C7I 24	CNEF 24 T	MHV 24.32	CNEM 24 T	20
<b>One lever surface mounting</b>						
MNLZ 06 PV	6 poli + ⊕	M7P 06 L20	CNEF 06 T	MHV 06 L25	CNEM 06 T	20
<b>two levers</b>						
MNZ 10 PV	10 poles + ⊕	M7P 10.20	CNEF 10 T	MHV 10.25	CNEM 10 T	20
MNZ 16 PV	16 poles + ⊕	M7P 16.25	CNEF 16 T	MHV 16.32	CNEM 16 T	20
MNZ 24 PV	24 poles + ⊕	M7P 24.25	CNEF 24 T	MHV 24.32	CNEM 24 T	20
<b>One lever hood with lever</b>		<b>hood top entry</b>	<b>female insert</b>	<b>hood top entry</b>	<b>male insert</b>	
MNLZ 06 VG	6 poles + ⊕	MVV 06 LG25	CNEF 06 T	MHV 06 L25	CNEM 06 T	20
<b>two levers</b>						
MNZ 10 VG	10 poles + ⊕	MVV 10 G25	CNEF 10 T	MHV 10.25	CNEM 10 T	20
MNZ 16 VG	16 poles + ⊕	MVV 16 G32	CNEF 16 T	MHV 16.32	CNEM 16 T	20
MNZ 24 VG	24 poles + ⊕	MVV 24 G32	CNEF 24 T	MHV 24.32	CNEM 24 T	20



C - TYPE

Inserts  
at page 22



Housings  
at page 71



Hoods  
at pages 90 and 91





complete connectors 16A max - 500V/6kV/3  
**Pg and metric threading**  
 with V-Type stainless steel locking enclosures  
 CSE series, **spring connection inserts**

- inserts included, cable glands not included
- the enclosures ensure protection IP66 with CV series or protection IP67 with C7 series when closed cover and locked with the closing lever
- CNE...T inserts features see page 23

drawing

ILME  
part No.

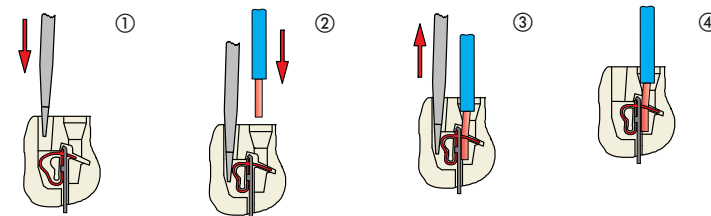
description

packaging

**Pg threading**



		housing	female insert	hood side entry	male insert	
<b>One lever bulkhead mounting</b>						
<b>CSLZ 06 IO</b>	6 poles + ⊕	C7I 06 L	CSEF 06	CHO 06 L16	CSEM 06	20
<b>CSLZ 10 IO</b>	10 poles + ⊕	CVI 10 L	CSEF 10	CHO 10 L	CSEM 10	20
<b>CSLZ 16 IO</b>	16 poles + ⊕	CVI 16 L	CSEF 16	CHO 16 L	CSEM 16	20
<b>CSLZ 24 IO</b>	24 poles + ⊕	CVI 24 L	CSEF 24	CHO 24 L	CSEM 24	20
<b>Two levers</b>						
<b>CSZ 10 IO</b>	10 poles + ⊕	C7I 10	CSEF 10	CHO 10	CSEM 10	20
<b>CSZ 16 IO</b>	16 poles + ⊕	C7I 16	CSEF 16	CHO 16	CSEM 16	20
<b>CSZ 24 IO</b>	24 poles + ⊕	C7I 24	CSEF 24	CHO 24	CSEM 24	20
<b>One lever surface mounting</b>						
<b>CSLZ 06 PO</b>	6 poles + ⊕	C7P 06 L	CSEF 06	CHO 06 L16	CSEM 06	20
<b>Two levers</b>						
<b>CSZ 10 PO</b>	10 poles + ⊕	C7P 10	CSEF 10	CHO 10	CSEM 10	20
<b>CSZ 16 PO</b>	16 poles + ⊕	C7P 16	CSEF 16	CHO 16	CSEM 16	20
<b>CSZ 24 PO</b>	24 poles + ⊕	C7P 24	CSEF 24	CHO 24	CSEM 24	20
		housing	female insert	hood top entry	male insert	
<b>One lever bulkhead mounting</b>						
<b>CSLZ 06 IV</b>	6 poles + ⊕	C7I 06 L	CSEF 06	CHV 06 L16	CSEM 06	20
<b>CSLZ 10 IV</b>	10 poles + ⊕	CVI 10 L	CSEF 10	CHV 10 L	CSEM 10	20
<b>CSLZ 16 IV</b>	16 poles + ⊕	CVI 16 L	CSEF 16	CHV 16 L	CSEM 16	20
<b>CSLZ 24 IV</b>	24 poles + ⊕	CVI 24 L	CSEF 24	CHV 24 L	CSEM 24	20
<b>Two levers</b>						
<b>CSZ 10 IV</b>	10 poles + ⊕	C7I 10	CSEF 10	CHV 10	CSEM 10	20
<b>CSZ 16 IV</b>	16 poles + ⊕	C7I 16	CSEF 16	CHV 16	CSEM 16	20
<b>CSZ 24 IV</b>	24 poles + ⊕	C7I 24	CSEF 24	CHV 24	CSEM 24	20
<b>One lever surface mounting</b>						
<b>CSLZ 06 PV</b>	6 poles + ⊕	C7P 06 L	CSEF 06	CHV 06 L16	CSEM 06	20
<b>Two levers</b>						
<b>CSZ 10 PV</b>	10 poles + ⊕	C7P 10	CSEF 10	CHV 10	CSEM 10	20
<b>CSZ 16 PV</b>	16 poles + ⊕	C7P 16	CSEF 16	CHV 16	CSEM 16	20
<b>CSZ 24 PV</b>	24 poles + ⊕	C7P 24	CSEF 24	CHV 24	CSEM 24	20
		hood top entry	female insert	hood top entry	male insert	
<b>One lever hood with lever</b>						
<b>CSLZ 06 VG</b>	6 poles + ⊕	CVV 06 LG	CSEF 06	CHV 06 L16	CSEM 06	20
<b>Two levers</b>						
<b>CSZ 10 VG</b>	10 poles + ⊕	CVV 10 G	CSEF 10	CHV 10	CSEM 10	20
<b>CSZ 16 VG</b>	16 poles + ⊕	CVV 16 G	CSEF 16	CHV 16	CSEM 16	20
<b>CSZ 24 VG</b>	24 poles + ⊕	CVV 24 G	CSEF 24	CHV 24	CSEM 24	20



Inserts  
at page 23



Housings  
at page 71



Hoods  
at pages 90 and 91





complete connectors 16A max - 500V/6kV/3  
**Pg and metric threading**  
 with V-Type stainless steel locking enclosures  
 CSE series, **spring connection inserts**

- inserts included, cable glands not included
- the enclosures ensure protection IP66 with CV series or protection IP67 with C7 series when closed cover and locked with the closing lever
- CNE...T inserts features see page 23

drawing

ILME  
part No.

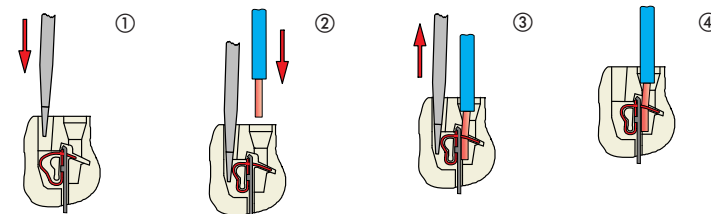
description

packaging

**Metric  
threading**



		housing	female insert	hood side entry	male insert	
<b>One lever</b>						
<b>MSLZ 06 IO</b>	6 poles + ⊕	C7I 06 L	CSEF 06	MHO 06 L25	CSEM 06	20
<b>MSLZ 10 IO</b>	10 poles + ⊕	CVI 10 L	CSEF 10	MHO 10 L25	CSEM 10	20
<b>MSLZ 16 IO</b>	16 poles + ⊕	CVI 16 L	CSEF 16	MHO 16 L32	CSEM 16	20
<b>MSLZ 24 IO</b>	24 poles + ⊕	CVI 24 L	CSEF 24	MHO 24 L32	CSEM 24	20
<b>Two levers</b>						
<b>MSZ 10 IO</b>	10 poles + ⊕	C7I 10	CSEF 10	MHO 10.25	CSEM 10	20
<b>MSZ 16 IO</b>	16 poles + ⊕	C7I 16	CSEF 16	MHO 16.32	CSEM 16	20
<b>MSZ 24 IO</b>	24 poles + ⊕	C7I 24	CSEF 24	MHO 24.32	CSEM 24	20
<b>One lever</b>						
<b>MSLZ 06 PO</b>	6 poli + ⊕	M7P 06 L20	CSEF 06	MHO 06 L25	CSEM 06	20
<b>Two levers</b>						
<b>MSZ 10 PO</b>	10 poles + ⊕	M7P 10.20	CSEF 10	MHO 10.25	CSEM 10	20
<b>MSZ 16 PO</b>	16 poles + ⊕	M7P 16.25	CSEF 16	MHO 16.32	CSEM 16	20
<b>MSZ 24 PO</b>	24 poles + ⊕	M7P 24.25	CSEF 24	MHO 24.32	CSEM 24	20
<b>One lever</b>						
<b>MSLZ 06 IV</b>	6 poles + ⊕	C7I 06 L	CSEF 06	MHV 06 L25	CSEM 06	20
<b>MSLZ 10 IV</b>	10 poles + ⊕	CVI 10 L	CSEF 10	MHV 10 L25	CSEM 10	20
<b>MSLZ 16 IV</b>	16 poles + ⊕	CVI 16 L	CSEF 16	MHV 16 L32	CSEM 16	20
<b>MSLZ 24 IV</b>	24 poles + ⊕	CVI 24 L	CSEF 24	MHV 24 L32	CSEM 24	20
<b>Two levers</b>						
<b>MSZ 10 IV</b>	10 poles + ⊕	C7I 10	CSEF 10	MHV 10.25	CSEM 10	20
<b>MSZ 16 IV</b>	16 poles + ⊕	C7I 16	CSEF 16	MHV 16.32	CSEM 16	20
<b>MSZ 24 IV</b>	24 poles + ⊕	C7I 24	CSEF 24	MHV 24.32	CSEM 24	20
<b>One lever</b>						
<b>MSLZ 06 PV</b>	6 poli + ⊕	M7P 06 L20	CSEF 06	MHV 06 L25	CSEM 06	20
<b>Two levers</b>						
<b>MSZ 10 PV</b>	10 poles + ⊕	M7P 10.20	CSEF 10	MHV 10.25	CSEM 10	20
<b>MSZ 16 PV</b>	16 poles + ⊕	M7P 16.25	CSEF 16	MHV 16.32	CSEM 16	20
<b>MSZ 24 PV</b>	24 poles + ⊕	M7P 24.25	CSEF 24	MHV 24.32	CSEM 24	20
<b>One lever</b>						
<b>MSLZ 06 VG</b>	6 poles + ⊕	MVV 06 LG25	CSEF 06	MHV 06 L25	CSEM 06	20
<b>2 leve</b>						
<b>MSZ 10 VG</b>	10 poles + ⊕	MVV 10 G25	CSEF 10	MHV 10.25	CSEM 10	20
<b>MSZ 16 VG</b>	16 poles + ⊕	MVV 16 G32	CSEF 16	MHV 16.32	CSEM 16	20
<b>MSZ 24 VG</b>	24 poles + ⊕	MVV 24 G32	CSEF 24	MHV 24.32	CSEM 24	20



C - TYPE

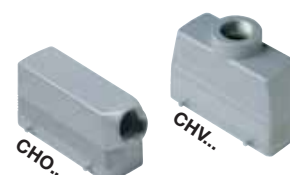
Inserts  
at page 23



Housings  
at page 71



Hoods  
at pages 90 and 91



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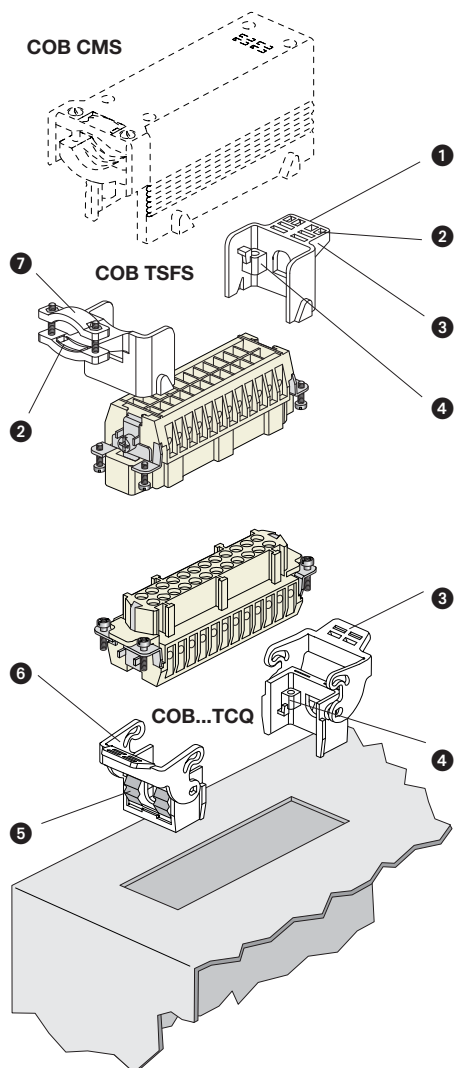


## COB panel supports for connector

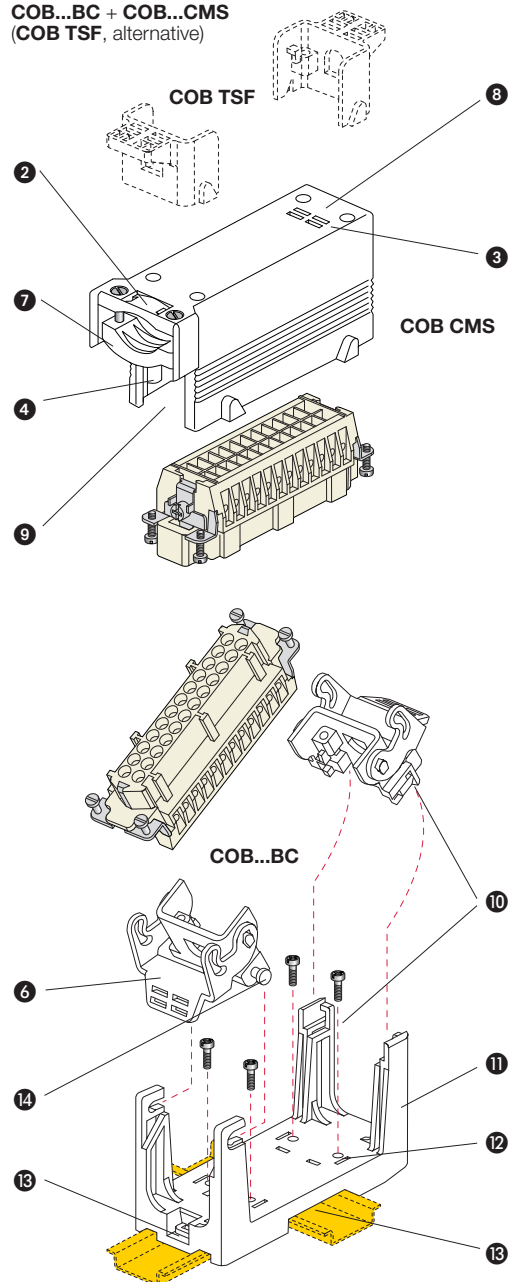
### Characteristics

- 1 **COB, TSF** or **COB TSFS** insert support blocks (with cable clamp) for mobile mounting, in self-extinguishing thermoplastic material.
- 2 passage for cable support bands (from 2.2 to 4.8 mm).
- 3 slots for identification cards (dimensions 9 x 20 mm).
- 4 threaded metallic inserts for fixing the inserts with normal screws and possibility of coded connection with the use of specific coded pins (ILME article: CR 20, CRM, CRF, CR 20 CX, CRM CX and CRF CX) when identical connectors are used.
- 5 **COB TCQ** insert carrier block for window\* mounting in self-extinguishing thermoplastic material, with spring snap fastening.
- 6 locking device with levers in self-extinguishing thermoplastic material for insert coupling.
- 7 sturdy cable clamp for clamping multipolar cables with a diameter of up to 25 mm or bundles of unipolar conductors.
- 8 **COB...CMS** housing for mobile mounting, in self-extinguishing thermoplastic material, IP20 degree of protection.
- 9 free passage for mounting of wired insert with conductor cables.
- 10 Mobile blocks (in COB...BC kit) in self-extinguishing thermoplastic material, with quick release device for insert turnover, wiring operations, verifications and maintenance.
- 11 **COB...BC** panel support for bulkhead mounting in self-extinguishing thermoplastic material, sturdy block support structure, with broad passage for housing of conductor cables.
- 12 holes for fixed fastening with screws without DIN EN 60715 rails.
- 13 snap fastening on DIN EN 60715 rails both lengthways and crossways to the support.
- 14 turnover pins that can be released and allow the use of prewired inserts.

**COB TCQ + COB TSFS**  
(COB...CMS, alternative)



**COB...BC + COB...CMS**  
(COB TSF, alternative)





## COB panel supports for inserts

- in self-extinguishing thermoplastic material
- with metal seats for fixing the inserts
- degree of protection IP20 (EN 60529)

drawing

ILME  
part No.

description

packaging

### connector carriers for faceplate mounting in window

**to be coupled with:** inserts carrier blocks (COB TSF and COB TSFS) and hoods (COB ... CMS)



**COB TCQ**

2-pieces kit for snap fastening in window on board

25

### connector carrier baseplates for mounting on DIN-rail or fixed mounting using screws

with flip-over mechanism for inserts release

**to be coupled with:** inserts carrier blocks (COB TSF e COB TSFS) and hoods (COB ... CMS)



**COB 06 BC**

size 44.27

20

**COB 10 BC**

size 57.27

20

**COB 16 BC**

size 77.27

20

**COB 24 BC**

size 104.27

20

### levers for coupling with die-cast metallic enclosures with pegs

**to be coupled with:** connector carriers (COB TCQ) and connector carriers baseplates (COB ... BC)



**COB L**

2 elements kit to be mounted instead of the standard levers  
this kit cannot be used with 6 poles hoods

1

### insert carrier blocks

**to be coupled with:** connector carriers (COB TCQ) and connector carriers baseplates (COB ... BC)



**COB TSFS**

2- pieces kit with cable clamp for inserts size 44.27 57.27 77.27 104.27

25

**COB TSF**

2- pieces kit without cable clamp for inserts size 44.27 57.27 77.27 104.27

25

### insert carrier insulating hoods

with cable clamp, side entry

**to be coupled with:** connector carriers (COB TCQ) and connector carriers baseplates (COB ... BC)



**COB 06 CMS**

size 44.27

10

**COB 10 CMS**

size 57.27

10

**COB 16 CMS**

size 77.27

10

**COB 24 CMS**

size 104.27

10

### adapter plates

**to be coupled with:** connector carriers (COB TCQ) and connector carriers baseplates (COB 16 BC)  
insert carrier blocks (COB TSF e COB TSFS) and hoods (COB 16 CMS)



**CR 15/16**

adapter for inserts size 4 ..16

10

**CR 25/16**

adapter for inserts size 66.16

10



C - TYPE



## accessories for connectors

drawing

ILME  
part No.

description

packaging

### adapter plates for D-SUB inserts (IEC 60807-2)

in self-extinguishing thermoplastic material - provided with fixing screws

#### for one D-SUB insert (not included) - for CZ... and MZ... enclosures

CR 09 AD	fixing centre distance 49,5 x 16 mm	- for 1D-SUB inserts 9 poles (not included)	10
CR 15 AD	fixing centre distance 49,5 x 16 mm	- for 1D-SUB inserts 15 poles (not included)	10
CR 25 AD	fixing centre distance 49,5 x 16 mm	- for 1D-SUB inserts 25 poles (not included)	10
CR 37 AD	fixing centre distance 66 x 16 mm	- for 1D-SUB inserts 37 poles (not included)	10
CR 50 AD	fixing centre distance 66 x 16 mm	- for 1D-SUB inserts 50 poles (not included)	10

#### for D-SUB inserts (not included) - for V-Type, Jei and C-Type

CR 09 AD1	fixing centre distance 44 x 27 mm	- for 1D-SUB inserts 9 poles (not included)	10
CR 09 AD2	fixing centre distance 44 x 27 mm	- for 1D-SUB inserts 9 poles (not included)	10
CR 15 AD1	fixing centre distance 44 x 27 mm	- for 1D-SUB inserts 15 poles (not included)	10
CR 15 AD2	fixing centre distance 44 x 27 mm	- for 1D-SUB inserts 15 poles (not included)	10
CR 25 AD1	fixing centre distance 57 x 27 mm	- for 1D-SUB inserts 25 poles (not included)	10
CR 25 AD2	fixing centre distance 57 x 27 mm	- for 1D-SUB inserts 25 poles (not included)	10
CR 37 AD1	fixing centre distance 77,5 x 27 mm	- for 1D-SUB inserts 37 poles (not included)	10
CR 37 AD2	fixing centre distance 77,5 x 27 mm	- for 1D-SUB inserts 37 poles (not included)	10
CR 50 AD1	fixing centre distance 77,5 x 27 mm	- for 1D-SUB inserts 50 poles (not included)	10
CR 50 AD2	fixing centre distance 77,5 x 27 mm	- for 1D-SUB inserts 50 poles (not included)	10

### plate for the connection of control devices

in self-extinguishing fibre glass reinforced thermoplastic material  
provided with one 16A Schuko® socket and fixing screws  
with two seats (one to be opened) for CR...AD adapter plates for D-SUB inserts  
**N.B. adapter plates and D-SUB inserts not included**

#### to be mounted on CHI 48 LS housings (not included)

SDS	plate with two seats for D-SUB inserts (one to be opened)	1
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### kit for the connection of control devices

die-cast aluminium alloy enclosure with gasket and cover  
plate in self-extinguishing thermoplastic material  
degree of protection IP65 (CEI EN 60529) with closed cover  
provided with one 16A Schuko® socket and earthing connection  
with two seats for D-SUB inserts (one to be opened)  
**N.B. adapter plates and D-SUB inserts not included**

#### kit plate with CHI 48 LS housings

CHSDS	housing and plate with two seats (one to be opened) for CR...AD adapter plates for D-SUB inserts	1
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### cable passing hoods CYR

die-cast aluminium alloy hoods, stainless steel screws  
coated finish with epoxy-polyester powder  
gaskets in anti-aging vinyl nitrile elastomer, resistant to oil  
degree of protection for coupled connectors IP54 (CEI EN 60529)  
dimensions in compliance with DIN 43652 standard, where applicable  
**hoods - with pegs for two levers**

CYR 16.3	16 poles - 3 holes for cables up to Ø 13,5 mm max	20
CYR 24.4	24 poles - 4 holes for cables up to Ø 13,5 mm max	20

### in-line joint for extended connections or as adapter

die-cast aluminium alloy hood, stainless steel screws  
coated finish with epoxy-polyester powder  
gaskets in anti-aging vinyl nitrile elastomer, resistant to oil  
degree of protection for coupled connectors IP65 (CEI EN 60529)  
dimensions in compliance with DIN 43625 standard, where applicable

CYG 16	hood in two halves size "77.27"	5
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### plate for windows

for reduction and closure of windows 24 poles - in thermoplastic resin  
with gasket in vinyl-nitrile elastomer

CRZ 06	for bulkhead mounting housings size 44.27	5
CRZ 10	for bulkhead mounting housings size 57.27	5
CRZ 16	for bulkhead mounting housings size 77.27	5
CRZ 24	for bulkhead mounting housings size 104.27	5
CRH 24	for closure windows	50

### metal handles

to be used instead of the thermoplastic handles  
die-cast aluminium alloy provided with fixing screws

CR TM	two handles kit for double lever C-Type enclosures	1
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For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# T-BOX

for branch-off coupling







## special execution enclosures CYG

- the cables are branched off by using the CYG 06H coupling in the 1 or 2 branch-off versions
- multipole inserts "44.27" size can be fitted inside the two side recesses; the entire unit can be used with one lever hoods complete with connector inserts
- the front faces can be fitted with "44.27" and/or "57.27" size flush bulkhead housings
- CHC 06 LG cover may be used to close the coupling side faces.

drawing

ILME  
part No.

description

packaging

NEW



### 1 branch-off T-Box

<b>CYG 06H06</b>	for 2 <b>C</b> hoods with lever and gasket "44.27" size and one CHI housing "44.27" <b>A</b> size	5
<b>CYG 06H10</b>	for 2 <b>C</b> hoods with lever and gasket "44.27" size and one CHI housing "57.27" <b>A</b> size	5

NEW



### 1 branch-off T-BOX to be fitted on DIN rails

<b>CYG 06H06D</b>	for 2 <b>C</b> hoods with lever and gasket "44.27" size and one CHI housing "44.27" <b>A</b> size	5
<b>CYG 06H10D</b>	for 2 <b>C</b> hoods with lever and gasket "44.27" size and one CHI housing "57.27" <b>A</b> size	5

NEW

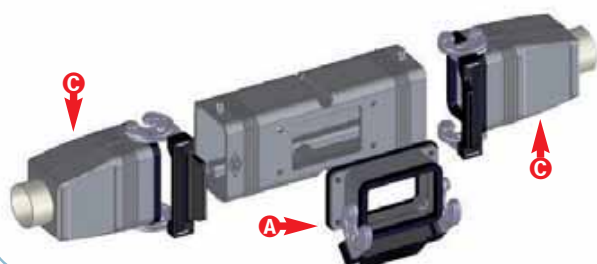


### 2 branch-off T-BOX

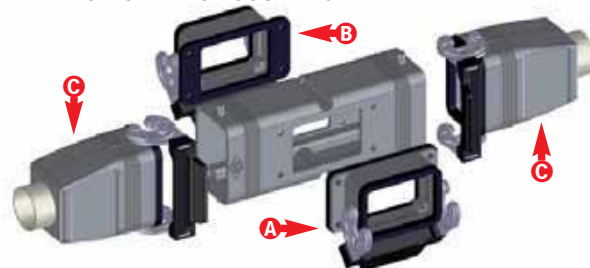
<b>CYG 06H0610</b>	for 2 <b>C</b> "44.27" size hoods with lever and gasket and 1 "44.27" <b>B</b> size fixing side CHI housing and one "57.27" <b>A</b> size CHI enclosure	5
<b>CYG 06H1006</b>	for 2 <b>C</b> "44.27" size hoods with lever and gasket and 1 "57.27" <b>B</b> size fixing side CHI housing and one "44.27" <b>A</b> size CHI enclosure	5
<b>CYG 06H0606</b>	for 2 <b>C</b> "44.27" size hoods with lever and gasket and two "44.27" <b>A</b> and <b>B</b> size CHI housing	5
<b>CYG 06H1010</b>	for 2 <b>C</b> "44.27" "44.27" size hoods with lever and gasket and two "57.27" <b>A</b> and <b>B</b> size CHI housing	5

C - TYPE

#### 1 BRANCH-OFF T-BOX COUPLING



#### 2 BRANCH-OFF T-BOX COUPLING



part No.	<b>A</b>	<b>B</b>	<b>C</b>
	CHI**	CHI**	CHV .. LG *
<b>CYG 06H0610</b>	06	10	06
<b>CYG 06H1006</b>	10	06	06
<b>CYG 06H0606</b>	06	06	06
<b>CYG 06H1010</b>	10	10	06

the following enclosures may also be used:

\*MHV / CAV / MAV / CFV / MFV 06 LG

\*\*CVI / JCVI

# IP68

high protection





## enclosures high protection IP68 version - **screw locking**

- the enclosures ensure IP68 protection rating when mated and locked with the screws.  
To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50.
- The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

drawing

ILME  
part No.

description

packaging



**NEW**

### top entry hood

**to be coupled with:** angled hood bulkhead mounting housingshoods

**Pg part No.**

**Metric part No.**

<b>CGK V13</b>	size <b>21.21</b> - Pg13,5	<b>MGK V20</b>	size <b>21.21</b>	- M20	10
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**NEW**

### angled bulkhead mounting housings

**to be coupled with:** top entry hood

<b>without cable gland outlet</b>					
<b>CGK IA</b>	size <b>21.21</b>				10
<b>with threaded entry</b>					
<b>CGK IAP13</b>	size <b>21.21</b> - Pg13,5	<b>MGK IAP20</b>	size <b>21.21</b>	- M20	10

**CKG**



C - TYPE



## IP68 high protection enclosures screw locking

- the enclosures ensure IP68 protection rating when mated and locked with the screws.  
To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50.
- The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

ILME  
part No.

description

packaging



NEW

### hoods with side entry

**to be coupled with:** bulkhead mounting housings with screw locking  
surface mounting housings with screw locking

Pg part No.

Metric part No.

CGO 06.16	size 44.27	- Pg 16	MGO 06.25	size 44.27	- M25	2
CGO 06.21	size 44.27	- Pg 21	MGO 06.32	size 44.27	- M32	2
CGO 06.29	size 44.27	- Pg 29				2
CGO 10.16	size 57.27	- Pg 16	MGO 10.25	size 57.27	- M25	2
CGO 10.21	size 57.27	- Pg 21	MGO 10.32	size 57.27	- M32	2
CGO 10.29	size 57.27	- Pg 29				2
CGO 16.21	size 77.27	- Pg 21	MGO 16.32	size 77.27	- M32	2
CGO 16.29	size 77.27	- Pg 29	MGO 16.40	size 77.27	- M40	2
CGO 16.36	size 77.27	- Pg 36	MGO 16.50	size 77.27	- M50	2
CGO 24.21	size 104.27	- Pg 21	MGO 24.32	size 104.27	- M32	2
CGO 24.29	size 104.27	- Pg 29	MGO 24.40	size 104.27	- M40	2
CGO 24.36	size 104.27	- Pg 36	MGO 24.50	size 104.27	- M50	2



NEW

### hoods with top entry

**to be coupled with:** bulkhead mounting housings with screw locking  
surface mounting housings with screw locking

Pg part No.

Metric part No.

CGV 06.16	size 44.27	- Pg 16	MGV 06.25	size 44.27	- M25	2
CGV 06.21	size 44.27	- Pg 21	MGV 06.32	size 44.27	- M32	2
CGV 06.29	size 44.27	- Pg 29	MGV 06.40	size 44.27	- M40	2
CGV 10.16	size 57.27	- Pg 16	MGV 10.25	size 57.27	- M25	2
CGV 10.21	size 57.27	- Pg 21	MGV 10.32	size 57.27	- M32	2
CGV 10.29	size 57.27	- Pg 29	MGV 10.40	size 57.27	- M40	2
CGV 16.21	size 77.27	- Pg 21	MGV 16.25	size 77.27	- M25	2
CGV 16.221	size 77.27	- Pg 21 x 2	MGV 16.225	size 77.27	- M25 x 2	2
CGV 16.29	size 77.27	- Pg 29	MGV 16.32	size 77.27	- M32	2
CGV 16.36	size 77.27	- Pg 36	MGV 16.40	size 77.27	- M40	2
			MGV 16.50	size 77.27	- M50	2
			MGV 24.325	size 104.27	- M25 x 3	2
CGV 24.21	size 104.27	- Pg 21	MGV 24.32	size 104.27	- M32	2
			MGV 24.232	size 104.27	- M32 x 2	2
CGV 24.29	size 104.27	- Pg 29	MGV 24.40	size 104.27	- M40 - M32	2
CGV 24.229	size 104.27	- Pg 29 x 2	MGV 24.240	size 104.27	- M40 x 2	2
CGV 24.36	size 104.27	- Pg 36	MGV 24.50	size 104.27	- M50	2



NEW

### surface mounting housings

**to be coupled with:** hoods with screw locking  
covers with screw locking

CGP 06.29	size 44.27	- Pg 29	MGP 06.32	size 44.27	- M32	2
CGP 10.29	size 57.27	- Pg 29	MGP 10.32	size 57.27	- M32	2
CGP 16.36	size 77.27	- Pg 36	MGP 16.40	size 77.27	- M40	2
CGP 24.36	size 104.27	- Pg 36	MGP 24.40	size 104.27	- M40	2
CGP 24.236	size 104.27	- Pg 36 x 2	MGP 24.240	size 104.27	- M40 x 2	2



NEW

### bulkhead mounting housings

**to be coupled with:** hoods with screw locking  
covers with screw locking  
frames for bulkhead mounting housings

CGI 06	size 44.27					2
CGI 10	size 57.27					2
CGI 16	size 77.27					2
CGI 24	size 104.27					2



## IP68 high protection enclosures bayonet locking

- the enclosures ensure IP68 protection rating when mated and locked with the screws.  
To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50.
- The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

ILME  
part No.

description

packaging



NEW

### hoods with side entry

**to be coupled with:** bulkhead mounting housings with bayonet locking

Pg part No.

Metric part No.

<b>CGO 06.16 B</b>	size 44.27	- Pg 16	<b>MGO 06.25 B</b>	size 44.27	- M25	2
<b>CGO 06.21 B</b>	size 44.27	- Pg 21	<b>MGO 06.32 B</b>	size 44.27	- M32	2
<b>CGO 06.29 B</b>	size 44.27	- Pg 29				2
<b>CGO 10.16 B</b>	size 57.27	- Pg 16	<b>MGO 10.25 B</b>	size 57.27	- M25	2
<b>CGO 10.21 B</b>	size 57.27	- Pg 21	<b>MGO 10.32 B</b>	size 57.27	- M32	2
<b>CGO 10.29 B</b>	size 57.27	- Pg 29				2
<b>CGO 16.21 B</b>	size 77.27	- Pg 21	<b>MGO 16.32 B</b>	size 77.27	- M32	2
<b>CGO 16.29 B</b>	size 77.27	- Pg 29	<b>MGO 16.40 B</b>	size 77.27	- M40	2
<b>CGO 16.36 B</b>	size 77.27	- Pg 36	<b>MGO 16.50 B</b>	size 77.27	- M50	2
<b>CGO 24.21 B</b>	size 104.27	- Pg 21	<b>MGO 24.32 B</b>	size 104.27	- M32	2
<b>CGO 24.29 B</b>	size 104.27	- Pg 29	<b>MGO 24.40 B</b>	size 104.27	- M40	2
<b>CGO 24.36 B</b>	size 104.27	- Pg 36	<b>MGO 24.50 B</b>	size 104.27	- M50	2



NEW

### hoods with top entry

**to be coupled with:** bulkhead mounting housings with bayonet locking

Pg part No.

Metric part No.

<b>CGV 06.16 B</b>	size 44.27	- Pg 16	<b>MGV 06.25 B</b>	size 44.27	- M25	2
<b>CGV 06.21 B</b>	size 44.27	- Pg 21	<b>MGV 06.32 B</b>	size 44.27	- M32	2
<b>CGV 06.29 B</b>	size 44.27	- Pg 29	<b>MGV 06.40 B</b>	size 44.27	- M40	2
<b>CGV 10.16 B</b>	size 57.27	- Pg 16	<b>MGV 10.25 B</b>	size 57.27	- M25	2
<b>CGV 10.21 B</b>	size 57.27	- Pg 21	<b>MGV 10.32 B</b>	size 57.27	- M32	2
<b>CGV 10.29 B</b>	size 57.27	- Pg 29	<b>MGV 10.40 B</b>	size 57.27	- M40	2
<b>CGV 16.21 B</b>	size 77.27	- Pg 21	<b>MGV 16.25 B</b>	size 77.27	- M25	2
<b>CGV 16.221 B</b>	size 77.27	- Pg 21 x 2	<b>MGV 16.225 B</b>	size 77.27	- M25 x 2	2
<b>CGV 16.29 B</b>	size 77.27	- Pg 29	<b>MGV 16.32 B</b>	size 77.27	- M32	2
<b>CGV 16.36 B</b>	size 77.27	- Pg 36	<b>MGV 16.40 B</b>	size 77.27	- M40	2
			<b>MGV 16.50 B</b>	size 77.27	- M50	2
			<b>MGV 24.325 B</b>	size 104.27	- M25 x 3	2
<b>CGV 24.21 B</b>	size 104.27	- Pg 21	<b>MGV 24.32 B</b>	size 104.27	- M32	2
			<b>MGV 24.232 B</b>	size 104.27	- M32 x 2	2
<b>CGV 24.29 B</b>	size 104.27	- Pg 29	<b>MGV 24.40 B</b>	size 104.27	- M40	2
<b>CGV 24.229 B</b>	size 104.27	- Pg 29 x 2	<b>MGV 24.240 B</b>	size 104.27	- M40 x 2	2
<b>CGV 24.36 B</b>	size 104.27	- Pg 36	<b>MGV 24.50 B</b>	size 104.27	- M50	2

C - TYPE



NEW

### bulkhead mounting housings

**to be coupled with:** hoods with bayonet locking  
covers with bayonet locking  
frames for bulkhead mounting housings

<b>CGI 06 B</b>	size 44.27	1
<b>CGI 10 B</b>	size 57.27	1
<b>CGI 16 B</b>	size 77.27	1
<b>CGI 24 B</b>	size 104.27	1



## IP68 high protection enclosures

- the enclosures ensure IP68 protection rating when mated and locked with the screws.  
To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50.
- The enclosures ensure IP69K protection at complete connectors (in compliance with DIN 40050-9)

ILME  
part No.

description

packaging



NEW

### covers - screw locking

**to be coupled with:** bulkhead mounting housings with screw locking  
surface mounting housings with screw locking

<b>CGC 06</b>	size 44.27	1
<b>CGC 10</b>	size 57.27	1
<b>CGC 16</b>	size 77.27	1
<b>CGC 24</b>	size 104.27	1



NEW

### covers- bayonet locking

**to be coupled with:** bulkhead mounting housings with bayonet locking

<b>CGC 06 B</b>	size 44.27	2
<b>CGC 10 B</b>	size 57.27	2
<b>CGC 16 B</b>	size 77.27	2
<b>CGC 24 B</b>	size 104.27	1



NEW

### frames for bulkhead mounting housings

**to be coupled with:** bulkhead mounting housings with bayonet locking or screw locking

<b>CG 06 FL</b>	size 44.27	1
<b>CG 10 FL</b>	size 57.27	1
<b>CG 16 FL</b>	size 77.27	1
<b>CG 24 FL</b>	size 104.27	1

#### SCREW LOCKING



#### BAYONET LOCKING



C - TYPE



## CH-CA and MA enclosures for special applications

- the enclosures ensure IP protection rating (in compliance with EN 60529) when mated and locked with the screws. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50

ILME  
part No.

description

packaging

**NEW**

### hoods with central lever with side entry - IP65

**to be coupled with:** YC bulkhead mounting housings  
YC surface mounting housings



Pg part No.

Metric part No.

<b>CAO 06 YX21</b>	size 44.27	- Pg 21	<b>MAO 06 YX25</b>	size 44.27	- M25	5
<b>CAO 06 YX29</b>	size 44.27	- Pg 29	<b>MAO 06 YX32</b>	size 44.27	- M32	5
<b>CAO 10 YX21</b>	size 57.27	- Pg 21	<b>MAO 10 YX32</b>	size 57.27	- M32	5
<b>CAO 10 YX29</b>	size 57.27	- Pg 29	<b>MAO 10 YX40</b>	size 57.27	- M40	5
<b>CAO 16 YX21</b>	size 77.27	- Pg 21	<b>MAO 16 YX32</b>	size 77.27	- M32	5
<b>CAO 16 YX29</b>	size 77.27	- Pg 29	<b>MAO 16 YX40</b>	size 77.27	- M40	5
<b>CAO 24 YX21</b>	size 104.27	- Pg 21	<b>MAO 24 YX32</b>	size 104.27	- M32	5
<b>CAO 24 YX29</b>	size 104.27	- Pg 29	<b>MAO 24 YX40</b>	size 104.27	- M40	5
<b>CIO 24 YX36*</b>	size 104.27	- Pg 36	<b>MIO 24 YX40*</b>	size 104.27	- M40	1
	size 104.27	- Pg 36	<b>MIO 24 YX50*</b>	size 104.27	- M50	1

**NEW**

### hoods with central lever with top entry - IP65

**to be coupled with:** YC bulkhead mounting housings  
YC surface mounting housings



Pg part No.

Metric part No.

<b>CAV 06 YX21</b>	size 44.27	- Pg 21	<b>MAV 06 YX25</b>	size 44.27	- M25	5
<b>CAV 06 YX29</b>	size 44.27	- Pg 29	<b>MAV 06 YX32</b>	size 44.27	- M32	5
<b>CAV 10 YX21</b>	size 57.27	- Pg 21	<b>MAV 10 YX32</b>	size 57.27	- M32	5
<b>CAV 10 YX29</b>	size 57.27	- Pg 29	<b>MAV 10 YX40</b>	size 57.27	- M40	5
<b>CAV 16 YX29</b>	size 77.27	- Pg 21	<b>MAV 16 YX32</b>	size 77.27	- M32	5
<b>CAV 16 YX36</b>	size 77.27	- Pg 29	<b>MAV 16 YX40</b>	size 77.27	- M40	5
<b>CAV 24 YX21</b>	size 104.27	- Pg 21	<b>MAV 24 YX32</b>	size 104.27	- M32	5
<b>CAV 24 YX29</b>	size 104.27	- Pg 29	<b>MAV 24 YX40</b>	size 104.27	- M40	5
<b>CIV 24 YX36**</b>	size 104.27	- Pg 36	<b>MIV 24 YX40**</b>	size 104.27	- M40	1
	size 104.27	- Pg 36	<b>MIV 24 YX50**</b>	size 104.27	- M50	1

C - TYPE

**NEW**

### surface mounting housings - IP65

**to be coupled with:** surface mounting housings, for central lever with 2 entries for central lever



Pg part No.

Metric part No.

<b>CAP 06 YC229</b>	size 44.27	- Pg 29x2	<b>MAP 06 YC232</b>	size 44.27	- M32x2	5
<b>CAP 10 YC229</b>	size 57.27	- Pg 29x2	<b>MAP 10 YC232</b>	size 57.27	- M32x2	5
<b>CAP 16 YC229</b>	size 77.27	- Pg 29x2	<b>MAP 16 YC232</b>	size 77.27	- M32x2	5
<b>CAP 24 YC229</b>	size 104.27	- Pg 29x2	<b>MAP 24 YC232</b>	size 104.27	- M32x2	5

**NEW**

### bulkhead mounting housings - IP65

**abbinabili a:** mounting housings, with screw locking with 2 entries for central lever



Pg part No.

<b>CHI 06 YC</b>	size 44.27			5
<b>CHI 10 YC</b>	size 57.27			5
<b>CHI 16 YC</b>	size 77.27			5
<b>CHI 24 YC</b>	size 104.27			5

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





## 180°C enclosures for special applications

- the enclosures ensure IP protection rating (in compliance with EN 60529) when mated and locked with the screws. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50
- This series has been developed for industrial applications where the ambient temperatures are particularly harsh (from -40 °C ÷ +180 °C).

ILME  
part No. description

packaging



### enclosures with high side entry - IP65

#### Pg part No.

<b>CAOR 06 L21</b>	size 44.27	- Pg 21
<b>CAOR 10.21</b>	size 57.27	- Pg 21
<b>CAOR 16.21</b>	size 77.27	- Pg 21
<b>CAOR 24.29</b>	size 104.27	- Pg 29

#### Metric part No.

<b>MAOR 06 L32</b>	size 44.27	- M32	5
<b>MAOR 10.32</b>	size 57.27	- M32	5
<b>MAOR 16.40</b>	size 77.27	- M40	5
<b>MAOR 24.40</b>	size 104.27	- M40	5



### enclosures with high top entry - IP65

#### Pg part No.

<b>CAVR 06 L21</b>	size 44.27	- Pg 21
<b>CAVR 10.21</b>	size 57.27	- Pg 21
<b>CAVR 16.21</b>	size 77.27	- Pg 21
<b>CAVR 24.29</b>	size 104.27	- Pg 29

#### Metric part No.

<b>MAVR 06 L32</b>	size 44.27	- M32	5
<b>MAVR 10.32</b>	size 57.27	- M32	5
<b>MAVR 16.40</b>	size 77.27	- M40	5
<b>MAVR 24.40</b>	size 104.27	- M40	5



### surface mounting housings - IP65

#### with lever - high

<b>CZAPR 06 L</b>	size 44.27	- Pg 21	<b>MZAPR 06 L32</b>	size 44.27	- M32	5
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#### with levers - high

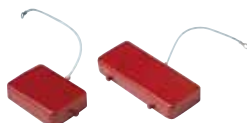
<b>CAPR 10.21</b>	size 57.27	- Pg 21	<b>MAPR 10.32</b>	size 57.27	- M32	5
<b>CAPR 16.21</b>	size 77.27	- Pg 21	<b>MAPR 16.32</b>	size 77.27	- M32	5
<b>CAPR 24.21</b>	size 104.27	- Pg 21	<b>MAPR 24.32</b>	size 104.27	- M32	5



### bulkhead mounting housings - IP65

<b>CZIR 06 L</b>	size 44.27	- with lever	5
<b>CHIR 10</b>	size 57.27	- with levers	5
<b>CHIR 16</b>	size 77.27	- with levers	5
<b>CHIR 24</b>	size 104.27	- with levers	5

C - TYPE



### enclosures covers - IP65

#### cover for housings enclosures

<b>CHCR 06 L</b>	cover with pegs (for housings)	- size 44.27	5
<b>CHCR 10</b>	cover with four pegs (for housings)	- size 57.27	5
<b>CHCR 16</b>	cover with four pegs (for housings)	- size 77.27	5
<b>CHCR 24</b>	cover with four pegs (for housings)	- size 104.27	5

#### cover for hoods enclosures

<b>CZCR 06 LG</b>	cover with lever (for hoods)	- size 44.27	5
<b>CHCR 10 G</b>	cover with two lever (for hoods)	- size 57.27	5
<b>CHCR 16 G</b>	cover with two lever (for hoods)	- size 77.27	5
<b>CHCR 24 G</b>	cover with two lever (for hoods)	- size 104.27	5



## EMC enclosures for special applications

- the enclosures ensure IP protection rating (in compliance with EN 60529) when mated and locked with the screws. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50
- This series has been developed for industrial applications that require electromagnetic compatibility (EMC, Electromagnetic Compatibility), in accordance with the European standards that regulate the emission and immunity of the equipment.

ILME  
part No. description



### high version hoods side entry- IP66

Pg part No.			Metric part No.		
<b>CAOS 06 L21</b>	size 44.27	- Pg 21	<b>MAOS 06 L32</b>	size 44.27	- M32
<b>CAOS 10.21</b>	size 57.27	- Pg 21	<b>MAOS 10.32</b>	size 57.27	- M32
<b>CAOS 16.21</b>	size 77.27	- Pg 21	<b>MAOS 16.40</b>	size 77.27	- M40
<b>CAOS 24.29</b>	size 104.27	- Pg 29	<b>MAOS 24.40</b>	size 104.27	- M40



### high version hoods top entry- IP66

			Metric part No.		
<b>CAVS 06 L21</b>	size 44.27	- Pg 21	<b>MAVS 06 L32</b>	size 44.27	- M32
<b>CAVS 10.21</b>	size 57.27	- Pg 21	<b>MAVS 10.32</b>	size 57.27	- M32
<b>CAVS 16.21</b>	size 77.27	- Pg 21	<b>MAVS 16.40</b>	size 77.27	- M40
<b>CAVS 24.29</b>	size 104.27	- Pg 29	<b>MAVS 24.40</b>	size 104.27	- M40



### surface mounting housings - IP66

with lever - high					
<b>CAPS 06 L</b>	size 44.27	- Pg 21	<b>MAPS 06 L32</b>	size 44.27	- M32
with levers - high					
<b>CAPS 10.21</b>	size 57.27	- Pg 21	<b>MAPS 10.32</b>	size 57.27	- M32
<b>CAPS 16.21</b>	size 77.27	- Pg 21	<b>MAPS 16.32</b>	size 77.27	- M32
<b>CAPS 24.21</b>	size 104.27	- Pg 21	<b>MAPS 24.32</b>	size 104.27	- M32



### bulkhead mounting housings - IP66

<b>CHIS 06 L</b>	size 44.27	- with lever	40
<b>CHIS 10</b>	size 57.27	- with levers	40
<b>CHIS 16</b>	size 77.27	- with levers	40
<b>CHIS 24</b>	size 104.27	- with levers	40



### enclosures covers - IP65

cover for housings				
<b>CHCS 06 L</b>	cover with pegs (for housings)	- size 44.27	5	
<b>CHCS 10</b>	cover with four pegs (for housings)	- size 57.27	5	
<b>CHCS 16</b>	cover with four pegs (for housings)	- size 77.27	5	
<b>CHCS 24</b>	cover with four pegs (for housings)	- size 104.27	5	
cover for hoods				
<b>CHCS 06 LG</b>	cover with lever (for hoods)	- size 44.27	5	
<b>CHCS 10 G</b>	cover with two lever (for hoods)	- size 57.27	5	
<b>CHCS 16 G</b>	cover with two lever (for hoods)	- size 77.27	5	
<b>CHCS 24 G</b>	cover with two lever (for hoods)	- size 104.27	5	

C - TYPE



## aggressive environments enclosures for special applications

- the enclosures ensure IP protection rating (in compliance with EN 60529) when mated and locked with the screws. To be completed with cable glands.
- UL Type 12 (Nema 12), Type 4 (Nema 4) and Type 4x (Nema 4x) degree of protection according to ANSI/UL 50
- This series has been developed for industrial applications with particularly aggressive external agents (e.g. salt atmospheres or ambients, etc.).

ILME  
part No.

description

packaging



### high version hoods side entry - IP66

#### with pegs - high

<b>CAOW 06 L21</b>	size 44.27	- Pg 21	<b>MAOW 06 L32</b>	size 44.27	- M32	5
<b>CAOW 10.21</b>	size 57.27	- Pg 21	<b>MAOW 10.32</b>	size 57.27	- M32	5
<b>CAOW 16.29</b>	size 77.27	- Pg 29	<b>MAOW 16.40</b>	size 77.27	- M40	5
	size 77.27	- Pg 29	<b>MAOW 16.32</b>	size 77.27	- M32	5
<b>CAOW 24.29</b>	size 104.27	- Pg 29	<b>MAOW 24.40</b>	size 104.27	- M40	5
	size 104.27	- Pg 29	<b>MAOW 24.32</b>	size 104.27	- M32	5
<b>CHOW 32</b>	size 77.62	- Pg 36	<b>MHOW 32.40</b>	size 77.62	- M50	5
<b>CHOW 48 L</b>	size 104.62	- Pg 36	<b>MHOW 48 L40</b>	size 104.62	- M50	5



### high version hoods top entry - IP66

#### with pegs - high

<b>CAVW 06 L21</b>	size 44.27	- Pg 21	<b>MAVW 06 L32</b>	size 44.27	- M32	5
<b>CAVW 10.21</b>	size 57.27	- Pg 21	<b>MAVW 10.32</b>	size 57.27	- M32	5
<b>CAVW 16.29</b>	size 77.27	- Pg 29	<b>MAVW 16.32</b>	size 77.27	- M32	5
	size 77.27	- Pg 29	<b>MAVW 16.32</b>	size 77.27	- M32	5
<b>CAVW 24.29</b>	size 104.27	- Pg 29	<b>MAVW 24.32</b>	size 104.27	- M32	5
	size 104.27	- Pg 29	<b>MAVW 24.40</b>	size 104.27	- M40	5
<b>CHVW 32</b>	size 77.62	- Pg 36	<b>MHVW 32.40</b>	size 77.62	- M40	5
<b>CHVW 48 L</b>	size 104.62	- Pg 36	<b>MHVW 48 L40</b>	size 104.62	- M40	5



### surface mounting housings - IP66

#### with lever - high

<b>CAPW 06 L</b>	size 44.27	- Pg 21	<b>MAPW 06 L32</b>	size 44.27	- M32	5
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#### with levers - high

<b>CAPW 10.21</b>	size 57.27	- Pg 21	<b>MAPW 10.32</b>	size 57.27	- M32	5
<b>CAPW 16.21</b>	size 77.27	- Pg 21	<b>MAPW 16.32</b>	size 77.27	- M32	5
<b>CAPW 24.21</b>	size 104.27	- Pg 21	<b>MAPW 24.32</b>	size 104.27	- M32	5

#### with lever

<b>CHPW 32</b>	size 77.62	- Pg 36	<b>MHPW 32.50</b>	size 77.62	- M50	5
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#### with lever and cover

<b>CHPW 48 LS</b>	size 104.62	- Pg 36x1/2	<b>MHPR 48 LS40</b>	size 104.62	- M40x1/2	5
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### bulkhead mounting housings - IP66

<b>CHIW 06 L</b>	size 44.27	- with lever	5
<b>CHIW 10</b>	size 57.27	- with levers	5
<b>CHIW 16</b>	size 77.27	- with levers	5
<b>CHIW 24</b>	size 104.27	- with levers	5
<b>CHIW 32</b>	size 77.62	- with levers	5
<b>CHIW 48 LS</b>	size 104.62	- with lever and cover	5



### enclosures covers - IP65

#### cover for housings

<b>CHCW 06 L</b>	cover with pegs (for housings)	- size 44.27	5
<b>CHCW 10</b>	cover with four pegs (for housings)	- size 57.27	5
<b>CHCW 16</b>	cover with four pegs (for housings)	- size 77.27	5
<b>CHCW 24</b>	cover with four pegs (for housings)	- size 104.27	5
<b>CHCW 32</b>	cover with four pegs (for housings)	- size 77.62	5

#### cover for hoods

<b>CHCW 06 LG</b>	cover with lever (for hoods)	- size 44.27	5
<b>CHCW 10 G</b>	cover with two lever (for hoods)	- size 57.27	5
<b>CHCW 16 G</b>	cover with two lever (for hoods)	- size 77.27	5
<b>CHCW 24 G</b>	cover with two lever (for hoods)	- size 104.27	5
<b>CHCW 32 G</b>	cover with two lever (for hoods)	- size 77.62	5



## RJ45 connectors mounted in enclosures CJZ

- RJ45, Class 5 connector
- nominal current: 2,1A a 70 °C
- nominal voltage: 50V cc / 35V ca
- IDC terminal:  
for data wires from 0,22 mm<sup>2</sup> ÷ 0,24 mm<sup>2</sup> (AWG 24)  
for power wires from 0,34 mm<sup>2</sup> ÷ 0,38 mm<sup>2</sup> (AWG 22)
- temperature range: -20 °C ÷ +120 °C

- nickel plated brass screening
- insert coding pin: **CR KC**
- crimp pliers: **CJPZY**
- screened cables stripping tool: **CJST**
- "crossover" link

drawing

ILME  
part No.

description

packaging

### connector in insulating enclosure and insert

degree of protection IP65 / IP67 (EN 60529)  
black self-extinguishing thermoplastic insulated enclosures

insulating complete cable-gland

<b>CJZ 4 IN</b>	bulkhead housing and insert with 4 data contacts	5
<b>CJZ 4 VN</b>	hood with Pg 11 cable-gland and male inserts with 4 data contacts	10
<b>MJZ 4 VN</b>	hood with M 20 cable-gland and male inserts with 4 data contacts	10

<b>CJZ 4/2 IN</b>	bulkhead housing and insert with 4 data contacts / 2 power contacts	5
<b>CJZ 4/2 VN</b>	hood with Pg 11 cable-gland and male insert with 4 data contacts / 2 power contacts	10
<b>MJZ 4/2 VN</b>	hood with M 20 cable-gland and male insert with 4 data contacts / 2 power contacts	10

### connector in metal enclosure

degree of protection IP65 / IP67 (EN 60529)  
metal enclosures

metal complete cable-gland

<b>CJZA 4 I</b>	bulkhead housing and insert with 4 data contacts	5
<b>CJZA 4 V</b>	hood with Pg 11 cable-gland and male inserts with 4 data contacts	10
<b>MJZA 4 V</b>	hood with M 20 cable-gland and male inserts with 4 data contacts	10

<b>CJZA 4/2 I</b>	bulkhead housing and insert with 4 data contacts / 2 power contacts	5
<b>CJZA 4/2 V</b>	hood with Pg 11 cable-gland and male insert with 4 data contacts / 2 power contacts	10
<b>MJZA 4/2 V</b>	hood with M 20 cable-gland and male insert with 4 data contacts / 2 power contacts	10

<b>CR KC</b>	4 variants coding pin	20
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### connector in insulating enclosure

degree of protection IP20 (EN 60529)  
PA66 self-extinguishing thermoplastic insulated enclosures

insulating complete cable-gland

<b>CJZ 4 VR</b>	hood with 7mm grommet and male insert with 4 data contacts	20
<b>CJZ 4/2 VR</b>	hood with 7mm grommet and male insert with 4 data contacts / 2 power contacts	20

### pliers and accessories for RJ45 inserts

#### manual crimp pliers

<b>CJPZY</b>	crimping tool, with locking device preventing from opening until complete crimping of contacts - included turret heads - positioner handle included	1
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### screened cable stripper

<b>CJST</b>		
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### RJ45 connector

#### insulated version coupling for RJ45 connectors

<b>CYG 8 JF</b>	female RJ45 coupling, 8 data contacts *	
<b>CYG 8/2 JF</b>	female RJ45 coupling, 8 data contacts / 2 power contacts *	

#### metal version coupling for RJ45 connectors

<b>CYG 8 JFA</b>	female RJ45 coupling, 8 data contacts *	
<b>CYG 8/2 JFA</b>	female RJ45 coupling, 8 data contacts / 2 power contacts *	

\* 4 pole version on request, part No. **CYG 4 JF, CYG 4/2 JF, CYG 4 JFA and CYG 4/2 JFA**

C - TYPE



## CJ K adapters RJ45

- RJ45, Class 5 connector
- nominal current: 2,1A a 70 °C
- nominal voltage: 50V cc / 35V ca
- IDC terminal:
  - for data wires from 0,22 mm<sup>2</sup> ÷ 0,24 mm<sup>2</sup> (AWG 24)
  - for power wires from 0,34 mm<sup>2</sup> ÷ 0,38 mm<sup>2</sup> (AWG 22)
- temperature range: -20 °C ÷ +120 °C

- nickel plated brass screening
- insert coding pin: **CR KC**
- crimping tool: **CJPZY**
- screened cables stripping tool: **CJST**

drawing

ILME  
part No.

description

packaging

### CJ K adapter for RJ45 connectors

#### adapter for RJ45 connectors (CJ K)

<b>CJ KF</b>	adapter for RJ45 female connector in housings	5
<b>CJ KM</b>	adapter for RJ45 male connector in portable hoods	5

#### RJ45 female connectors

<b>CX 8 JF</b>	RJ45 female connector with 8 data contacts*	2
<b>CX 8/2 JF</b>	RJ45 female connector with 8 data contacts / 2 power contacts*	2

\* 4 poles version on request, part No.: **CX 4 JF**, **CX 4/2 JF** with "crossover" link

#### RJ45 male connectors

<b>CX 4 JM</b>	RJ45 male connector with 4 data contacts	1
<b>CX 4/2 JM</b>	RJ45 male connector with 4 data contacts / 2 power contacts	1
<b>CX 6/2 JM</b>	RJ45 male connector with 6 data contacts / 2 power contacts	1
<b>CX 8 JM</b>	RJ45 male connector with 8 data contacts	2
<b>CX 4E JM</b>	RJ45 male connector with 4 data contacts, Class 5e	1

### black insulating enclosures for CJ K inserts

#### with lever

<b>CK 03 IN</b>	bulkhead housings - frame 40 x 28 mm	1
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#### without lever, with sealing gasket

<b>CKG 03 VN</b>	hoods with pegs - top entry - <b>Pg 11</b>	100
<b>MKG VN20</b>	hoods with pegs - side entry - <b>M20</b>	100
<b>CKG 03 VAN</b>	angled hood with pegs - side entry - <b>Pg 11</b>	100
<b>MKG VAN20</b>	angled hood with pegs - side entry - <b>M20</b>	100

#### covers

<b>CKG 03 CN</b>	with pegs for female inserts	10
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### metal enclosures for CJ K inserts

#### with stainless steel lever

<b>CKAX 03 I</b>	bulkhead mounting housings - frame 40 x 28 mm	1
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#### without stainless steel lever, with sealing gasket

<b>CKAG 03 V</b>	hood with pegs - top entry - <b>Pg 11</b>	100
<b>MKAG V20</b>	hood with pegs - top entry - <b>M20</b>	100
<b>CKAG 03 VA</b>	angle hood with pegs - side entry - <b>Pg 11</b>	100
<b>MKAG VA20</b>	angle hood with pegs - side entry - <b>M20</b>	10

#### covers

<b>CKAG 03 C</b>	with pegs for female inserts	10
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### tool and accessories for RJ45 inserts

#### manual crimp tool

<b>CJPZ Y</b>	crimping tool, with locking device preventing from opening until complete crimping of contacts in luded tu et eads ositione andle in luded	1
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### screened cable stripper

<b>CJST</b>		1
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# A - CR

## cable gland

drawing

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description

packaging



NEW

### metal cable gland

**metal-cable gland - in nickel-plated brass - provided with multiple gasket washers in zinc-plated steel - degree of protection IP65 (EN 60529)**

<b>AS C11T</b>	Pg 11 threading - rubber hole Ø 7,5÷10 mm	10
<b>AS C13T</b>	Pg 13,5 threading - rubber hole Ø 7,5÷10÷12,5 mm	10
<b>AS C16T</b>	Pg 16 threading - rubber hole Ø 7,5÷10÷12,5÷15 mm	10
<b>AS C21T</b>	Pg 21 threading - rubber hole Ø 10÷13÷16÷19 mm	10
<b>AS C29T</b>	Pg 29 threading - rubber hole Ø 18÷21÷24÷27 mm	10
<b>AS C36T</b>	Pg 36 threading - rubber hole Ø 24÷27÷30÷33 mm	10
<b>AS C42T</b>	Pg 42 threading - rubber hole Ø 30÷33÷36÷39 mm	10
<b>AG M20T</b>	M 20 threading - rubber hole Ø 6÷8÷10 mm	10
<b>AG M25T</b>	M 25 threading - rubber hole Ø 11÷14÷17 mm	10
<b>AG M32T</b>	M 32 threading - rubber hole Ø 19÷21÷24 mm	10
<b>AG M40T</b>	M 40 threading - rubber hole Ø 26÷29÷32 mm	10
<b>AG M50T</b>	M 50 threading - rubber hole Ø 35÷38÷41 mm	10



NEW

**metal-cable gland - in nickel-plated brass - provided with full gasket washers in zinc-plated steel - degree of protection IP65 (EN 60529)**

<b>AS C110</b>	Pg 11 threading - rubber hole Ø 9 mm	10
<b>AS C130</b>	Pg 13,5 threading - rubber hole Ø 11 mm	10
<b>AS C160</b>	Pg 16 threading - rubber hole Ø 13 mm	10
<b>AS C210</b>	Pg 21 threading - rubber hole Ø 16 mm	10
<b>AS C290</b>	Pg 29 threading - rubber hole Ø 25 mm	10
<b>AS C360</b>	Pg 36 threading - rubber hole Ø 32 mm	10
<b>AS C420</b>	Pg 42 threading - rubber hole Ø 40 mm	10



NEW

**cable clamps with collar - aluminum alloy - provided with full gasket washers in zinc-plated steel - degree of protection IP65 (EN 60529)**

<b>CRS 13.5</b>	Pg 13,5 threading - rubber hole Ø 12 mm	50
<b>CRS 16</b>	Pg 16 threading - rubber hole Ø 14 mm	50
<b>CRS 21</b>	Pg 21 threading - rubber hole Ø 18 mm	50
<b>CRS 29</b>	Pg 29 threading - rubber hole Ø 25 mm	10
<b>CRS 36</b>	Pg 36 threading - rubber hole Ø 32 mm	10
<b>CRS 42</b>	Pg 42 threading - rubber hole Ø 38 mm	10



**cable clamps without collar - aluminum alloy - without gasket (to be ordered separately)**

<b>CRS 16 C</b>	Pg 16 threading	20
<b>CRS 21 C</b>	Pg 21 threading	15

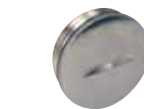


**kit comprising a full gasket and washers in zinc-plated steel**

<b>CRA 16</b>	rubber hole Ø 14 mm	50
<b>CRA 21</b>	rubber hole Ø 18 mm	50

**kit comprising a full gasket and washers in zinc-plated steel**

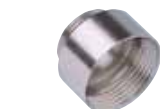
<b>CRAC 16</b>	rubber hole Ø 7,5÷10÷12,5÷15 mm	50
<b>CRAC 21</b>	rubber hole Ø 10÷13÷16÷19 mm	50



NEW

**sealing plugs - in nickel-plated brass**

<b>AS C11B</b>	Pg 11 threading	10
<b>AS C13B</b>	Pg 13,5 threading	10
<b>AS C16B</b>	Pg 16 threading	10
<b>AS C21B</b>	Pg 21 threading	10
<b>AS C29B</b>	Pg 29 threading	10
<b>AS C36B</b>	Pg 36 threading	10
<b>AS C42B</b>	Pg 42 threading	10
<b>AS M20B</b>	M 20 threading	10
<b>AS M25B</b>	M 25 threading	10
<b>AS M32B</b>	M 32 threading	10
<b>AS M40B</b>	M 40 threading	10
<b>AS M50B</b>	M 50 threading	10



NEW

**reduction nipples - in nickel-plated brass including gasket**

<b>AS C11C</b>	male Pg11 - female Pg 13,5 threading	10
<b>AS C13C</b>	male Pg13,5 - female Pg 16 threading	10
<b>AS C16C</b>	male Pg16 - female Pg 21 threading	10
<b>AS C21C</b>	male Pg21 - female Pg 29 threading	10
<b>AS C29C</b>	male Pg29 - female Pg 36 threading	10
<b>AS C36C</b>	male Pg36 - female Pg 42 threading	10
<b>AS C42C</b>	male Pg42 - female Pg 48 threading	10
<b>AS M20C</b>	male M20 - female M 25 threading	10
<b>AS M25C</b>	male M25 - female M 32 threading	10
<b>AS M32C</b>	male M32 - female M 40 threading	10
<b>AS M40C</b>	male M40 - female M 50 threading	10
<b>AS M50C</b>	male M50 - female M 63 threading	10

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A

## cable gland

drawing

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description

packaging

## metal cable gland

NEW

**cable gland - in nickel-plated brass - degree of protection IP68 (EN 60529)**

<b>AS C11P</b>	Pg 11 threading	- Ø cable 5÷10 mm	10
<b>AS C13P</b>	Pg 13,5 threading	- Ø cable 6÷12,5 mm	10
<b>AS C16P</b>	Pg 16 threading	- Ø cable 7÷14,5 mm	10
<b>AS C21P</b>	Pg 21 threading	- Ø cable 10÷18 mm	10
<b>AS C29P</b>	Pg 29 threading	- Ø cable 14÷24 mm	10
<b>AS C36P</b>	Pg 36 threading	- Ø cable 23÷30 mm	10
<b>AS C42P</b>	Pg 42 threading	- Ø cable 26÷35 mm	10
<b>AS M20P</b>	M 20 threading	- Ø cable 6÷12,5 mm	10
<b>AS M25P</b>	M 25 threading	- Ø cable 10÷18 mm	10
<b>AS M32P</b>	M 32 threading	- Ø cable 14÷24 mm	10
<b>AS M40P</b>	M 40 threading	- Ø cable 15÷24 mm	10
<b>AS M50P</b>	M 50 threading	- Ø cable 23÷30 mm	10

NEW

**cable gland threading length 15 mm, for use with lock nuts  
in nickel-plated brass - degree of protection IP68 (EN 60529)**

<b>AS C11PH</b>	Pg 11 threading	- Ø cable 5÷10 mm	10
<b>AS C13PH</b>	Pg 13,5 threading	- Ø cable 6÷12,5 mm	10
<b>AS C16PH</b>	Pg 16 threading	- Ø cable 7÷14,5 mm	10
<b>AS C21PH</b>	Pg 21 threading	- Ø cable 10÷18 mm	10
<b>AS C29PH</b>	Pg 29 threading	- Ø cable 14÷24 mm	10
<b>AS C36PH</b>	Pg 36 threading	- Ø cable 23÷30 mm	10
<b>AS C42PH</b>	Pg 42 threading	- Ø cable 26÷35 mm	10
<b>AS M20PH</b>	M 20 threading	- Ø cable 6÷12,5 mm	10
<b>AS M25PH</b>	M 25 threading	- Ø cable 10÷18 mm	10
<b>AS M32PH</b>	M 32 threading	- Ø cable 14÷24 mm	10
<b>AS M40PH</b>	M 40 threading	- Ø cable 15÷24 mm	10
<b>AS M50PH</b>	M 50 threading	- Ø cable 23÷30 mm	10

NEW

**lock nuts in nickel-plated brass**

<b>AS C11N</b>	Pg 11 threading	10
<b>AS C13N</b>	Pg 13,5 threading	10
<b>AS C16N</b>	Pg 16 threading	10
<b>AS C21N</b>	Pg 21 threading	10
<b>AS C29N</b>	Pg 29 threading	10
<b>AS C36N</b>	Pg 36 threading	10
<b>AS C42N</b>	Pg 42 threading	10
<b>AS M20N</b>	M 20 threading	10
<b>AS M25N</b>	M 25 threading	10
<b>AS M32N</b>	M 32 threading	10
<b>AS M40N</b>	M 40 threading	10
<b>AS M50N</b>	M 50 threading	10

NEW

**EMC cable gland - in nickel-plated brass - degree of protection IP68 (EN 60529)**

<b>AS C11E</b>	Pg 11 threading	- Ø cable 5÷10 mm	10
<b>AS C13E</b>	Pg 13,5 threading	- Ø cable 8÷12,5 mm	10
<b>AS C16E</b>	Pg 16 threading	- Ø cable 10÷14,5 mm	10
<b>AS C21E</b>	Pg 21 threading	- Ø cable 13,5÷18 mm	10
<b>AS C29E</b>	Pg 29 threading	- Ø cable 17÷24 mm	10
<b>AS M20E</b>	M 20 threading	- Ø cable 8÷12,5 mm	10
<b>AS M25E</b>	M 20 threading	- Ø cable 13,5÷18 mm	10
<b>AS M32E</b>	M 20 threading	- Ø cable 17÷24 mm	10

A





A - CR

## cable gland

drawing

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part No.

description

packaging

## insulating cable gland

**semi-cable gland - in thermoplastic material  
washers in zinc-plated steel - degree of protection IP65 (EN 60529)**

<b>CRR 11</b>	Pg 11 threading	- rubber hole Ø 7,5÷10÷12,5 mm - grey	10
<b>CRR 11 N</b>	Pg 11 threading	- rubber hole Ø 7,5÷10÷12,5 mm - black	10
<b>CRR 13,5</b>	Pg 13,5 threading	- rubber hole Ø 7,5÷10÷12,5 mm	10
<b>CRR 16</b>	Pg 16 threading	- rubber hole Ø 7,5÷10÷12,5÷15 mm	10
<b>CRR 21</b>	Pg 21 threading	- rubber hole Ø 10÷13÷16÷19 mm	10
<b>CRR 29</b>	Pg 29 threading	- rubber hole Ø 18÷21÷24÷27 mm	10
<b>CRR 36</b>	Pg 36 threading	- rubber hole Ø 24÷27÷30÷33 mm	5
<b>CRR 42</b>	Pg 42 threading	- rubber hole Ø 30÷33÷36÷39 mm	5
<b>AG M20R</b>	M 20 threading	- rubber hole Ø 6÷8÷10 mm	10
<b>AG M25R</b>	M 25 threading	- rubber hole Ø 11÷14÷17 mm	10
<b>AG M32R</b>	M 32 threading	- rubber hole Ø 19÷21÷24 mm	10

**cable gland - in grey RAL 7001 thermoplastic material - degree of protection IP68 (EN 60529)**

<b>AS C11I</b>	Pg 11 threading	- Ø cable 3,5÷10 mm (grey RAL 7035)	10
<b>AS C11IN</b>	Pg 11 threading	- Ø cable 3,5÷10 mm (black RAL 9005)	10
<b>AS C13I</b>	Pg 13,5 threading	- Ø cable 5÷12 mm	10
<b>AS C16I</b>	Pg 16 threading	- Ø cable 7÷14 mm	10
<b>AS C21I</b>	Pg 21 threading	- Ø cable 9÷18 mm	10
<b>AS C29I</b>	Pg 29 threading	- Ø cable 14÷25 mm	10
<b>AS C36I</b>	Pg 36 threading	- Ø cable 18÷32 mm	10
<b>AS C42I</b>	Pg 42 threading	- Ø cable 24÷38,5 mm	10
<b>AS M20I</b>	M 20 threading	- Ø cable 5÷12,5 mm (grey RAL 7035)	10
<b>AS M20IN</b>	M 20 threading	- Ø cable 5÷12,5 mm (black RAL 9005)	10
<b>AS M25I</b>	M 25 threading	- Ø cable 9÷18 mm	10
<b>AS M32I</b>	Pg 32 threading	- Ø cable 14÷25 mm	10
<b>AS M40I</b>	Pg 40 threading	- Ø cable 18÷32 mm	10
<b>AS M50I</b>	Pg 50 threading	- Ø cable 24÷38,5 mm	10

**cable gland - in thermoplastic material - degree of protection IP67 (EN 60529)**

<b>ARP 11</b>	Pg 11 threading	- rubber hole Ø 7,5÷10÷12,5 mm	100
<b>ARP 13,5</b>	Pg 13,5 threading	- rubber hole Ø 7,5÷10÷12,5 mm	100
<b>AFP 16</b>	Pg 16 threading	- rubber hole Ø 7,5÷10÷12,5÷15 mm	100
<b>AFP 21</b>	Pg 21 threading	- rubber hole Ø 10÷13÷16÷19 mm	50
<b>AFP 29</b>	Pg 29 threading	- rubber hole Ø 18÷21÷24÷27 mm	25
<b>AFP 36</b>	Pg 36 threading	- rubber hole Ø 24÷27÷30÷33 mm	25
<b>ARP 42</b>	Pg 42 threading	- rubber hole Ø 30÷33÷36÷39 mm	10
<b>ARP 48</b>	Pg 48 threading	- rubber hole Ø 36÷39÷42÷45 mm	10

**lock nuts in thermoplastic material**

<b>ARC 11</b>	Pg 11 threading	100
<b>ARC 13,5</b>	Pg 13,5 threading	100
<b>ARC 16</b>	Pg 16 threading	100
<b>ARC 21</b>	Pg 21 threading	100
<b>ARC 29</b>	Pg 29 threading	50
<b>ARC 36</b>	Pg 36 threading	50
<b>ARC 42</b>	Pg 42 threading	1
<b>ARC 48</b>	Pg 48 threading	50
<b>AS M20L</b>	M 20 threading	10
<b>AS M25L</b>	M 25 threading	10
<b>AS M32L</b>	M 32 threading	10
<b>AS M40L</b>	M 40 threading	10
<b>AS M50L</b>	M 50 threading	10

**sealing plugs - in thermoplastic material**

<b>ARD 11</b>	Pg 11 threading	100
<b>ARD 13,5</b>	Pg 13,5 threading	
<b>ARD 16</b>	Pg 16 threading	100
<b>ARD 21</b>	Pg 21 threading	50
<b>ARD 29</b>	Pg 29 threading	50
<b>ARD 36</b>	Pg 36 threading	25
<b>ARD 42</b>	Pg 42 threading	10
<b>AS M20D</b>	M 20 threading	10
<b>AS M25D</b>	M 25 threading	10
<b>AS M32D</b>	M 32 threading	10
<b>AS M40D</b>	M 40 threading	10
<b>AS M50D</b>	M 50 threading	10

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



AI

## fittings and flexible tubes

- fitting made of self-extinguishing PA6 polyamide without halogen, phosphorus and cadmium
- IP66 static and IP54 dynamic degree of protection
- IP68 static and IP67 dynamic degree of protection with AIR B and AIR G gasket

drawing

ILME  
part No.

description

packaging

## fittings

grey

black

## insulating straight fitting

<b>AI C11V12</b> ●	<b>AI C11V12N</b> ●	Pg 11 threading - for flexible tubes, nominal Ø 12	10
<b>AI C13V12</b> ●	<b>AI C13V12N</b> ●	Pg 13,5 threading - for flexible tubes, nominal Ø 12	10
<b>AI C13V17</b> ●	<b>AI C13V17N</b> ●	Pg 13,5 threading - for flexible tubes, nominal Ø 17	10
<b>AI C16V17</b> ●	<b>AI C16V17N</b> ●	Pg 16 threading - for flexible tubes, nominal Ø 17	10
<b>AI C21V23</b> ●	<b>AI C21V23N</b> ●	Pg 21 threading - for flexible tubes, nominal Ø 23	10
<b>AI C29V29</b> ●	<b>AI C29V29N</b> ●	Pg 29 threading - for flexible tubes, nominal Ø 29	10
<b>AI C36V36</b> ●	<b>AI C36V36N</b> ●	Pg 36 threading - for flexible tubes, nominal Ø 36	10
<b>AI C42V48</b> ●	<b>AI C42V48N</b> ●	Pg 42 threading - for flexible tubes, nominal Ø 48	10
<b>AI M20V12</b> ●	<b>AI M20V12N</b> ●	M 20 threading - for flexible tubes, nominal Ø 12	10
<b>AI M20V17</b> ●	<b>AI M20V17N</b> ●	M 20 threading - for flexible tubes, nominal Ø 17	10
<b>AI M25V17</b> ●	<b>AI M25V17N</b> ●	M 25 threading - for flexible tubes, nominal Ø 17	10
<b>AI M25V23</b> ●	<b>AI M25V23N</b> ●	M 25 threading - for flexible tubes, nominal Ø 23	10
<b>AI M32V23</b> ●	<b>AI M32V23N</b> ●	M 32 threading - for flexible tubes, nominal Ø 23	10
<b>AI M32V29</b> ●	<b>AI M32V29N</b> ●	M 32 threading - for flexible tubes, nominal Ø 29	10
<b>AI M40V29</b> ●	<b>AI M40V29N</b> ●	M 40 threading - for flexible tubes, nominal Ø 29	10
<b>AI M40V36</b> ●	<b>AI M40V36N</b> ●	M 40 threading - for flexible tubes, nominal Ø 36	10
<b>AI M50V36</b> ●	<b>AI M50V36N</b> ●	M 50 threading - for flexible tubes, nominal Ø 36	10
<b>AI M50V48</b> ●	<b>AI M50V48N</b> ●	M 50 threading - for flexible tubes, nominal Ø 48	10

## insulating 90° angular fitting

<b>AI C11O12</b> ●	<b>AI C11O12N</b> ●	Pg 11 threading - for flexible tubes, nominal Ø 12	10
<b>AI C13O17</b> ●	<b>AI C13O17N</b> ●	Pg 13,5 threading - for flexible tubes, nominal Ø 17	10
<b>AI C16O17</b> ●	<b>AI C16O17N</b> ●	Pg 16 threading - for flexible tubes, nominal Ø 17	10
<b>AI C21O23</b> ●	<b>AI C21O23N</b> ●	Pg 21 threading - for flexible tubes, nominal Ø 23	10
<b>AI C29O29</b> ●	<b>AI C29O29N</b> ●	Pg 29 threading - for flexible tubes, nominal Ø 29	10
<b>AI C36O36</b> ●	<b>AI C36O36N</b> ●	Pg 36 threading - for flexible tubes, nominal Ø 36	10
<b>AI C42O48</b> ●	<b>AI C42O48N</b> ●	Pg 42 threading - for flexible tubes, nominal Ø 48	10
<b>AI M20O12</b> ●	<b>AI M20V12N</b> ●	M 20 threading - for flexible tubes, nominal Ø 12	10
<b>AI M20O17</b> ●	<b>AI M20V17N</b> ●	M 20 threading - for flexible tubes, nominal Ø 17	10
<b>AI M25O23</b> ●	<b>AI M25V23N</b> ●	M 25 threading - for flexible tubes, nominal Ø 23	10
<b>AI M32O29</b> ●	<b>AI M32V29N</b> ●	M 32 threading - for flexible tubes, nominal Ø 29	10
<b>AI M40O36</b> ●	<b>AI M40V36N</b> ●	M 40 threading - for flexible tubes, nominal Ø 36	10
<b>AI M50O48</b> ●	<b>AI M50V48N</b> ●	M 50 threading - for flexible tubes, nominal Ø 48	10

## insulating 90° curved fitting

<b>AI C16F17</b> ●	<b>AI C16F17N</b> ●	Pg 16 threading - for flexible tubes, nominal Ø 17	10
<b>AI C21F23</b> ●	<b>AI C21F23N</b> ●	Pg 21 threading - for flexible tubes, nominal Ø 23	10
<b>AI C29F29</b> ●	<b>AI C29F29N</b> ●	Pg 29 threading - for flexible tubes, nominal Ø 29	10
<b>AI C36F36</b> ●	<b>AI C36F36N</b> ●	Pg 36 threading - for flexible tubes, nominal Ø 36	10
<b>AI C42F48</b> ●	<b>AI C42F48N</b> ●	Pg 42 threading - for flexible tubes, nominal Ø 48	10
<b>AI M25F17</b> ●	<b>AI M25F17N</b> ●	M 25 threading - for flexible tubes, nominal Ø 17	10
<b>AI M32F23</b> ●	<b>AI M32F23N</b> ●	M 32 threading - for flexible tubes, nominal Ø 23	10
<b>AI M40F29</b> ●	<b>AI M40F29N</b> ●	M 40 threading - for flexible tubes, nominal Ø 29	10
<b>AI M50F36</b> ●	<b>AI M50F36N</b> ●	M 50 threading - for flexible tubes, nominal Ø 36	10

## insulating 45° curved fitting

<b>AI C13Q12</b> ●	<b>AI C13Q12N</b> ●	Pg 13 threading - for flexible tubes, nominal Ø 12	
<b>AI C16Q17</b> ●	<b>AI C16Q17N</b> ●	Pg 16 threading - for flexible tubes, nominal Ø 17	10
<b>AI C21Q23</b> ●	<b>AI C21Q23N</b> ●	Pg 21 threading - for flexible tubes, nominal Ø 23	10
<b>AI C29Q29</b> ●	<b>AI C29Q29N</b> ●	Pg 29 threading - for flexible tubes, nominal Ø 29	10
<b>AI C36Q36</b> ●	<b>AI C36Q36N</b> ●	Pg 36 threading - for flexible tubes, nominal Ø 36	10
<b>AI C48Q48</b> ●	<b>AI C42Q48N</b> ●	Pg 42 threading - for flexible tubes, nominal Ø 48	10
<b>AI M20Q17</b> ●	<b>AI M20Q17N</b> ●	M 20 threading - for flexible tubes, nominal Ø 17	10
<b>AI M25Q23</b> ●	<b>AI M25Q23N</b> ●	M 25 threading - for flexible tubes, nominal Ø 23	10
<b>AI M32Q29</b> ●	<b>AI M32Q29N</b> ●	M 32 threading - for flexible tubes, nominal Ø 29	10
<b>AI M40Q36</b> ●	<b>AI M40Q36N</b> ●	M 40 threading - for flexible tubes, nominal Ø 36	10
<b>AI M50Q48</b> ●	<b>AI M50Q48N</b> ●	M 50 threading - for flexible tubes, nominal Ø 48	10

## insulating straight fitting

<b>AI M20X12</b> ●	<b>AI M20X12N</b> ●	M 20 threading - for flexible tubes, nominal Ø 12	10
<b>AI M20X17</b> ●	<b>AI M20X17N</b> ●	M 20 threading - for flexible tubes, nominal Ø 17	10
<b>AI M25X17</b> ●	<b>AI M25X17N</b> ●	M 25 threading - for flexible tubes, nominal Ø 17	10
<b>AI M25X23</b> ●	<b>AI M25X23N</b> ●	M 25 threading - for flexible tubes, nominal Ø 23	10
<b>AI M32X23</b> ●	<b>AI M32X23N</b> ●	M 32 threading - for flexible tubes, nominal Ø 23	10
<b>AI M32X29</b> ●	<b>AI M32X29N</b> ●	M 32 threading - for flexible tubes, nominal Ø 29	10
<b>AI M40X29</b> ●	<b>AI M40X29N</b> ●	M 40 threading - for flexible tubes, nominal Ø 29	10
<b>AI M40X36</b> ●	<b>AI M40X36N</b> ●	M 40 threading - for flexible tubes, nominal Ø 36	10
<b>AI M50X36</b> ●	<b>AI M50X36N</b> ●	M 50 threading - for flexible tubes, nominal Ø 36	10
<b>AI M50X48</b> ●	<b>AI M50X48N</b> ●	M 50 threading - for flexible tubes, nominal Ø 48	10

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



AI

## fittings and flexible tubes

- fitting made of self-extinguishing PA6 polyamide without halogen, phosphorus and cadmium (AIT R made of PA12 polyamide)
- does not propagate flames, according to EN 50086-1
- insertion and extraction in the fitting without the use of tools

drawing

ILME  
part No.

description

packaging

## flexible tubes

NEW



grey

black

## standard flexible tube

<b>AIT A12</b> ●	<b>AIT A12N</b> ●	nominal Ø 12	50	Metres
<b>AIT A17</b> ●	<b>AIT A17N</b> ●	nominal Ø 17	50	Metres
<b>AIT A23</b> ●	<b>AIT A23N</b> ●	nominal Ø 23	50	Metres
<b>AIT A29</b> ●	<b>AIT A29N</b> ●	nominal Ø 29	50	Metres
<b>AIT A36</b> ●	<b>AIT A36N</b> ●	nominal Ø 36	30	Metres
<b>AIT A48</b> ●	<b>AIT A48N</b> ●	nominal Ø 48	30	

## light flexible tube

<b>AIT E12</b> ●	<b>AIT E12N</b> ●	nominal Ø 12	50	Metres
<b>AIT E17</b> ●	<b>AIT E17N</b> ●	nominal Ø 17	30	Metres
<b>AIT E23</b> ●	<b>AIT E23N</b> ●	nominal Ø 23	30	Metres
<b>AIT E29</b> ●	<b>AIT E29N</b> ●	nominal Ø 29	30	Metres
<b>AIT E36</b> ●	<b>AIT E36N</b> ●	nominal Ø 36	10	Metres
<b>AIT E48</b> ●	<b>AIT E48N</b> ●	nominal Ø 48	10	Metres

## sturdy flexible tube, UL approved

<b>AIT S12</b> ●	<b>AIT S12N</b> ●	nominal Ø 12	50	Metres
<b>AIT S17</b> ●	<b>AIT S17N</b> ●	nominal Ø 17	30	Metres
<b>AIT S23</b> ●	<b>AIT S23N</b> ●	nominal Ø 23	30	Metres
<b>AIT S29</b> ●	<b>AIT S29N</b> ●	nominal Ø 29	30	Metres
<b>AIT S36</b> ●	<b>AIT S36N</b> ●	nominal Ø 36	10	Metres
<b>AIT S48</b> ●	<b>AIT S48N</b> ●	nominal Ø 48	10	Metres

## heavy-duty flexible tube

<b>AIT P12</b> ●	<b>AIT P12N</b> ●	nominal Ø 12	50	Metres
<b>AIT P17</b> ●	<b>AIT P17N</b> ●	nominal Ø 17	30	Metres
<b>AIT P23</b> ●	<b>AIT P23N</b> ●	nominal Ø 23	30	Metres
<b>AIT P29</b> ●	<b>AIT P29N</b> ●	nominal Ø 29	30	Metres
<b>AIT P36</b> ●	<b>AIT P36N</b> ●	nominal Ø 36	10	Metres
<b>AIT P48</b> ●	<b>AIT P48N</b> ●	nominal Ø 48	10	Metres

## ultra-flexible tube

<b>AIT R12</b> ●	<b>AIT R12N</b> ●	nominal Ø 12	50	Metres
<b>AIT R17</b> ●	<b>AIT R17N</b> ●	nominal Ø 17	30	Metres
<b>AIT R23</b> ●	<b>AIT R23N</b> ●	nominal Ø 23	30	Metres
<b>AIT R29</b> ●	<b>AIT R29N</b> ●	nominal Ø 29	30	Metres
<b>AIT R36</b> ●	<b>AIT R36N</b> ●	nominal Ø 36	10	Metres
<b>AIT R48</b> ●	<b>AIT R48N</b> ●	nominal Ø 48	10	Metres

## junctions and supports

NEW



## "T" junction

<b>AIR T12</b> ●	<b>AIR T12N</b> ●	for three flexible tubes, nominal Ø 12	1
<b>AIR T17</b> ●	<b>AIR T17N</b> ●	for three flexible tubes, nominal Ø 17	1
<b>AIR T23</b> ●	<b>AIR T23N</b> ●	for three flexible tubes, nominal Ø 23	1
<b>AIR T29</b> ●	<b>AIR T29N</b> ●	for three flexible tubes, nominal Ø 29	1
<b>AIR T36</b> ●	<b>AIR T36N</b> ●	for three flexible tubes, nominal Ø 36	1

NEW



## "Y" junction

<b>AIR Y17</b> ●	<b>AIR Y17N</b> ●	for flexible tubes, nominal Ø 17 + 2 Ø 12	1
<b>AIR Y23</b> ●	<b>AIR Y23N</b> ●	for flexible tubes, nominal Ø 23 + 2 Ø 17	1
<b>AIR Y29</b> ●	<b>AIR Y29N</b> ●	for flexible tubes, nominal Ø 29 + 2 Ø 23	1
<b>AIR Y36</b> ●	<b>AIR Y36N</b> ●	for flexible tubes, nominal Ø 36 + 2 Ø 29	1

NEW



## flexible tubes support

<b>AIR D12</b> ●	<b>AIR D12N</b> ●	nominal Ø 12	10
<b>AIR D17</b> ●	<b>AIR D17N</b> ●	nominal Ø 17	10
<b>AIR D23</b> ●	<b>AIR D23N</b> ●	nominal Ø 23	10
<b>AIR D29</b> ●	<b>AIR D29N</b> ●	nominal Ø 29	10
<b>AIR D36</b> ●	<b>AIR D36N</b> ●	nominal Ø 36	10

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



AI

## fittings and flexible tubes

drawing

ILME  
part No.

description

packaging

NEW

**support for steel flexible tubes**

<b>AIR Z12</b>	nominal Ø 12	10
<b>AIR Z17</b>	nominal Ø 17	10
<b>AIR Z23</b>	nominal Ø 23	10
<b>AIR Z29</b>	nominal Ø 29	10
<b>AIR Z36</b>	nominal Ø 36	10
<b>AIR Z48</b>	nominal Ø 48	10

**gasket**

NEW

**gasket for fitting base**

<b>AIR B13</b>	for fitting Pg 13,5	100
<b>AIR B16</b>	for fitting Pg 16	100
<b>AIR B21</b>	for fitting Pg 21	50
<b>AIR B29</b>	for fitting Pg 29	30
<b>AIR B36</b>	for fitting Pg 36	20
<b>AIR B48</b>	for fitting Pg 48	10
<b>AIR B20</b>	for fitting M 20	100
<b>AIR B25</b>	for fitting M 25	50
<b>AIR B32</b>	for fitting M 32	30
<b>AIR B40</b>	for fitting M 40	20
<b>AIR B50</b>	for fitting M 50	10

NEW

**O-ring gaskets for flexible tubes**

<b>AIR G12</b>	nominal Ø 12	10
<b>AIR G17</b>	nominal Ø 17	10
<b>AIR G23</b>	nominal Ø 23	10
<b>AIR G29</b>	nominal Ø 29	10
<b>AIR G36</b>	nominal Ø 36	10
<b>AIR G48</b>	nominal Ø 48	10

# APV

authentic and renewed





## AP containing boxes

- boxes and covers in die-cast aluminium alloy
- formed in place anti-aging gasket for APV/APW, not fitted for APS
- cover fixing screws are in stainless steel
- degree of protection IP66/IP67 (EN 60529)
- O-ring to make cover screws captive, included
- supplied complete with brass insert, screw, wire terminal and washer for 6 mm<sup>2</sup> earth terminals
- an earth terminal may be added to the cover (APR T kit)

drawing

ILME  
part No.

description

packaging

### boxes with removable cover

NEW



#### empty boxes without holes

coated finish with epoxy polyester powder grey RAL 7040 - temperature range: -40 °C ÷ +110 °C

APV 9	external dimensions 100 x 100 x 59 - internal dimensions 88 x 88 x 44	50
APV 11	external dimensions 115 x 140 x 61 - internal dimensions 103 x 128 x 46	60
APV 12	external dimensions 141 x 166 x 64 - internal dimensions 128 x 153 x 49	50
APV 14	external dimensions 168 x 192 x 80 - internal dimensions 152 x 176 x 65	20
APV 19	external dimensions 217 x 253 x 93 - internal dimensions 201 x 236 x 75	8
APV 20	external dimensions 264 x 314 x 122 - internal dimensions 243 x 292 x 104	6
APV 21	external dimensions 315 x 410 x 150 - internal dimensions 291 x 386 x 126	5

NEW



#### empty boxes without holes - raw, not finished - temperature range: -40 °C ÷ +110 °C

APS 9	external dimensions 100 x 100 x 59 - internal dimensions 88 x 88 x 44	50
APS 11	external dimensions 115 x 140 x 61 - internal dimensions 103 x 128 x 46	60
APS 12	external dimensions 141 x 166 x 64 - internal dimensions 128 x 153 x 49	50
APS 14	external dimensions 168 x 192 x 80 - internal dimensions 152 x 176 x 65	20
APS 19	external dimensions 217 x 253 x 93 - internal dimensions 201 x 236 x 75	8
APS 20	external dimensions 264 x 314 x 122 - internal dimensions 243 x 292 x 104	6
APS 21	external dimensions 315 x 410 x 150 - internal dimensions 291 x 386 x 126	5

NEW

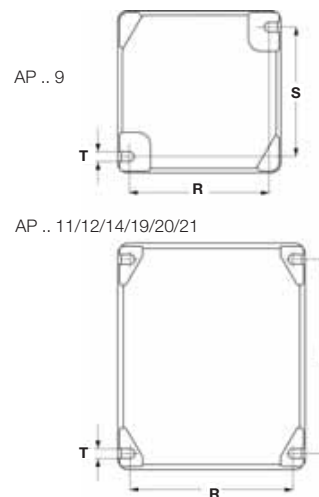
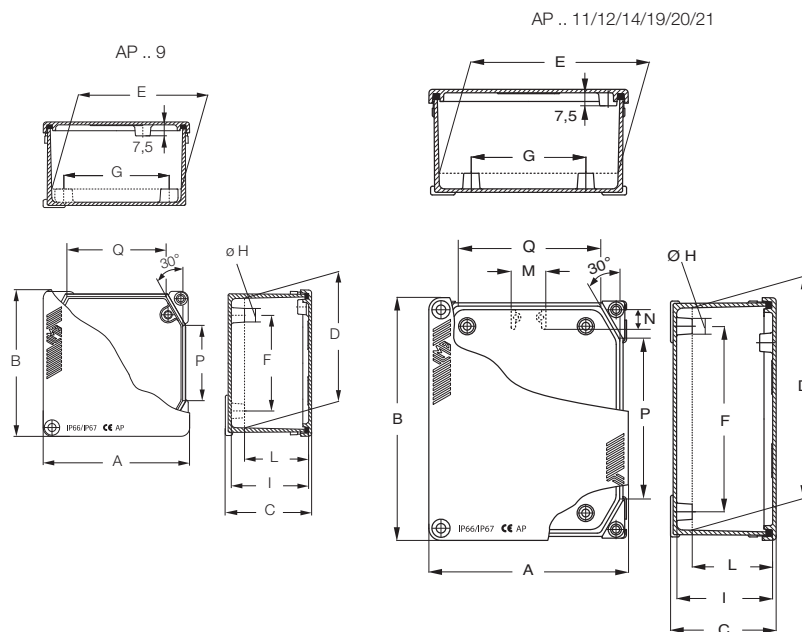


#### empty boxes without holes - raw, not finished - oven painted whit RAL 9005 black epoxy-polyester powder surface chromate treatment - temperature range: -50 °C ÷ +180 °C

APW 9	external dimensions 100 x 100 x 59 - internal dimensions 88 x 88 x 44	50
APW 11	external dimensions 115 x 140 x 61 - internal dimensions 103 x 128 x 46	60
APW 12	external dimensions 141 x 166 x 64 - internal dimensions 128 x 153 x 49	50
APW 14	external dimensions 168 x 192 x 80 - internal dimensions 152 x 176 x 65	20
APW 19	external dimensions 217 x 253 x 93 - internal dimensions 201 x 236 x 75	8
APW 20	external dimensions 264 x 314 x 122 - internal dimensions 243 x 292 x 104	6
APW 21	external dimensions 315 x 410 x 150 - internal dimensions 291 x 386 x 126	5

\* internal minimum dimensions measured on the post mounting plate risers plane

Part No.	R	S	T
AP.. 9	86	80	6
AP.. 11	100	120	6
AP.. 12	125	144	6,5
AP.. 14	149	168	6,5
AP.. 19	196	226	9
AP.. 20	236	275	9
AP.. 21	283	367	9



Part No.	A	B	C	D (*)	E (*)	F	G	ø H	I	L	M	N	P	Q
AP.. 9	100	100	59	88	88	66	70,5	10	53	44	-	-	48	65
AP.. 11	115	140	61	128	103	107	66	10	55	46	-	-	90	81
AP.. 12	141	166	64	153	128	121	99	12,5	58	49	-	-	104	100
AP.. 14	168	192	80	176	152	153	113	10	74	65	-	-	128	125
AP.. 19	217	253	93	236	201	188	153	12,5	85	75	38	21	169	162
AP.. 20	264	314	122	292	243	238	198	12,5	114	104	49	24	203	192
AP.. 21	315	410	150	386	291	333	248	12,5	141	126	61	31	295	240

The dimensions shown are not binding and may be changed without notice.

Dimension in mm.

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## AP containing boxes

drawing

ILME  
part No.

description

packaging



### accessories for containing boxes

#### in zinc-plated steel mounting plates - complete with two inserts and fixing screws

<b>APF 11</b>	for APV / APS / APW 11 boxes	10
<b>APF 12</b>	for APV / APS / APW 12 boxes	10
<b>APF 14</b>	for APV / APS / APW 14 boxes	10
<b>APF 19</b>	for APV / APS / APW 19 boxes	5
<b>APF 20</b>	for APV / APS / APW 20 boxes	5
<b>APF 21</b>	for APV / APS / APW 21 boxes	5

NEW



#### accessories

<b>APR 04</b>	M4x8 thread brass insert to ensure an easier fitting of equipment and PCBs to the bottom of the box	100
<b>APR T</b>	additional earth terminal kit consisting of a brass insert, M4 screw and washer, 6 mm <sup>2</sup> wire terminal for cover earthing connection	1
<b>APR F</b>	cover fastening wire enables the cover to be anchored to the box (temperature range: -40 °C ÷ +110 °C)	1

NEW



#### sized DIN rail - complete with fixing screws and inserts (diagonal mounting)

<b>APD 9</b>	for APV / APS / APW 9 boxes	1
<b>APD 11</b>	for APV / APS / APW 11 boxes	1
<b>APD 12</b>	for APV / APS / APW 12 boxes	1
<b>APD 14</b>	for APV / APS / APW 14 boxes	1
<b>APD 19</b>	for APV / APS / APW 19 boxes	1
<b>APD 20</b>	for APV / APS / APW 20 boxes	1
<b>APD 21</b>	for APV / APS / APW 21 boxes	1



Both boxes and covers are supplied with provision for a terminal earthing connection to protect it from indirect contacts.



Accessory kits are available for fitting inside the boxes DIN rails or zinc-plated steel mounting plates.



The cover fixing screws become captive when the special o-rings are fitted.



A cover can be fitted to the box by using a special nylon string.

AP



# AC

**boxes for control devices and signals**





## AC boxes for control devices and signals

- boxes and covers in die-cast aluminium alloy
- coated finish with epoxy-poliester powder, colour grey
- removable cover, fixed with zinc plated steel screws
- NRB special rubber gasket fixed to the cover

drawing

ILME  
part No.

description

packaging

### complete boxes

IP65 degree of protection (EN 60529)

**with pierced covers for unit Ø 22 mm  
box with cable entry M25**

<b>A2M 0909.01</b>	1 hole - external dimensions 92 x 92 x 86 mm	12
<b>A2M 0915.02</b>	2 holes - external dimensions 92 x 152 x 86 mm	8
<b>A2M 0920.03</b>	3 holes - external dimensions 92 x 152 x 86 mm	6
<b>A2M 0915.04</b>	4 holes - external dimensions 92 x 152 x 86 mm	8
<b>A2M 0925.04</b>	4 holes - external dimensions 92 x 152 x 86 mm	4
<b>A2M 0920.06</b>	6 holes - external dimensions 92 x 152 x 86 mm	6
<b>A2M 1515.08</b>	8 holes - external dimensions 152 x 152 x 86 mm	4
<b>A2M 1520.12</b>	12 holes - external dimensions 152 x 205 x 102 mm - cable entry M32	4
<b>A2M 2320.16 *</b>	16 holes - external dimensions 230 x 205 x 102 mm - cable entry M32	2

**with pierced covers for unit Ø 22 mm  
box without holes**

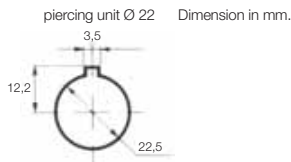
<b>A2P 0909.01</b>	1 hole - external dimensions 92 x 92 x 86 mm	12
<b>A2P 0915.02</b>	2 holes - external dimensions 92 x 152 x 86 mm	8
<b>A2P 0920.03</b>	3 holes - external dimensions 92 x 205 x 86 mm	6
<b>A2P 0915.04</b>	4 holes - external dimensions 92 x 152 x 86 mm	8
<b>A2P 0925.04</b>	4 holes - external dimensions 92 x 257 x 86 mm	4
<b>A2P 0920.06</b>	6 holes - external dimensions 92 x 205 x 86 mm	6
<b>A2P 1515.08</b>	8 holes - external dimensions 152 x 152 x 86 mm	4
<b>A2P 1520.12</b>	12 holes - external dimensions 152 x 205 x 102 mm	4
<b>A2P 2320.16</b>	16 holes - external dimensions 230 x 205 x 102 mm	2

### COVERS

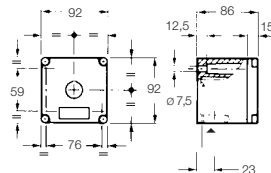
**pierced for unit Ø 22 mm**

<b>A2T 0909.01</b>	1 hole - external dimensions 92 x 92 x 15 mm	2
<b>A2T 0915.02</b>	2 holes - external dimensions 92 x 152 x 15 mm	2
<b>A2T 0920.03</b>	3 holes - external dimensions 92 x 205 x 15 mm	2
<b>A2T 0915.04</b>	4 holes - external dimensions 92 x 152 x 15 mm	2
<b>A2T 0925.04</b>	4 holes - external dimensions 92 x 257 x 15 mm	2
<b>A2T 0920.06</b>	6 holes - external dimensions 92 x 205 x 15 mm	2
<b>A2T 1515.08</b>	8 holes - external dimensions 152 x 152 x 15 mm	2
<b>A2T 1520.12</b>	12 holes - external dimensions 152 x 205 x 15 mm	2
<b>A2T 2320.16</b>	16 holes - external dimensions 230 x 205 x 15 mm	2

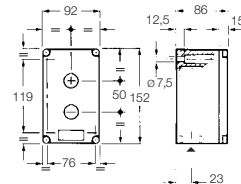
\* on request this box can be supplied with cable entry on the short side (205 mm)



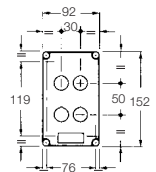
0909.01



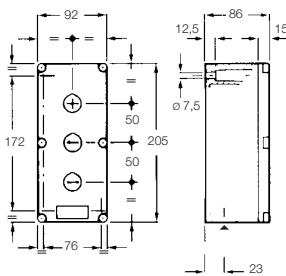
0915.02



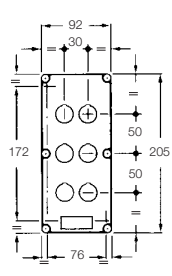
0915.04



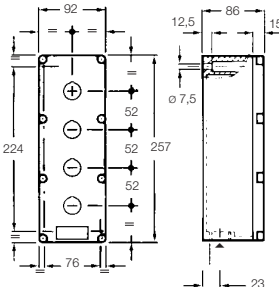
0920.03



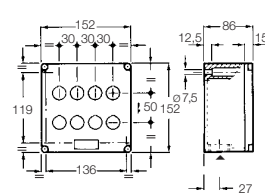
0920.06



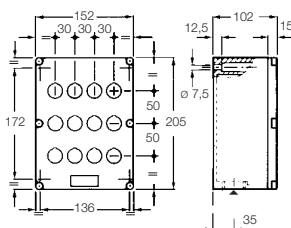
0925.04



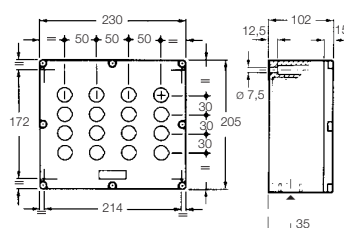
1515.08



1520.12



2320.16



▲ metric threaded entry

the dimensions shown are not binding and may be changed without notice

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## AC boxes for control devices and signals

- boxes and covers in die-cast aluminium alloy
- coated finish with epoxy-poliester powder, colour grey
- removable cover, fixed with zinc plated steel screws
- NRB special rubber gasket fixed to the cover

drawing

ILME  
part No.

description

packaging

NEW



### complete boxes

IP65 degree of protection (EN 60529)

#### with covers pierced for unit Ø 30 mm box with cable entry M25

<b>A3M 0909.01</b>	1 hole - external dimensions 92 x 92 x 86 mm	12
<b>A3M 0915.02</b>	2 holes - external dimensions 92 x 152 x 86 mm	8
<b>A3M 0920.03</b>	3 holes - external dimensions 92 x 205 x 86 mm	6
<b>A3M 0925.04</b>	4 holes - external dimensions 92 x 257 x 86 mm	8
<b>A3M 1515.04</b>	4 holes - external dimensions 152 x 152 x 86 mm	4
<b>A3M 1520.06</b>	6 holes - external dimensions 152 x 205 x 102 mm - cable entry M32	4
<b>A3M 2320.09*</b>	9 holes - external dimensions 230 x 205 x 102 mm - cable entry M32	2

#### with covers pierced for unit Ø 30 mm box without holes

<b>A3P 0909.01</b>	1 hole - external dimensions 92 x 92 x 86 mm	12
<b>A3P 0915.02</b>	2 holes - external dimensions 92 x 152 x 86 mm	8
<b>A3P 0920.03</b>	3 holes - external dimensions 92 x 205 x 86 mm	6
<b>A3P 0925.04</b>	4 holes - external dimensions 92 x 257 x 86 mm	8
<b>A3P 1515.04</b>	4 holes - external dimensions 152 x 152 x 86 mm	4
<b>A3P 1520.06</b>	6 holes - external dimensions 152 x 205 x 102 mm	4
<b>A3P 2320.09</b>	9 holes - external dimensions 230 x 205 x 102 mm	2

### covers

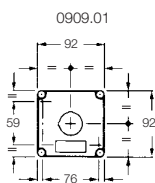
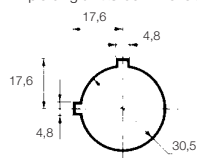
#### pierced for unit Ø 30 mm

<b>A3T 0909.01</b>	1 hole - external dimensions 92 x 92 x 15 mm	2
<b>A3T 0915.02</b>	2 holes - external dimensions 92 x 152 x 15 mm	2
<b>A3T 0920.03</b>	3 holes - external dimensions 92 x 205 x 15 mm	2
<b>A3T 0925.04</b>	4 holes - external dimensions 92 x 257 x 15 mm	2
<b>A3T 1515.04</b>	4 holes - external dimensions 152 x 152 x 15 mm	2
<b>A3T 1520.06</b>	6 holes - external dimensions 152 x 205 x 15 mm	2
<b>A3T 2320.09</b>	9 holes - external dimensions 230 x 205 x 15 mm	2

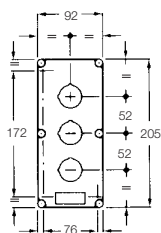
\* on request this box can be supplied with cable entry on the short side (205 mm)

lateral size see page. 132

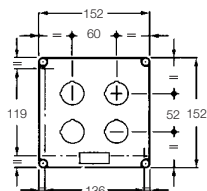
piercing unit Ø 30 Dimension in mm.



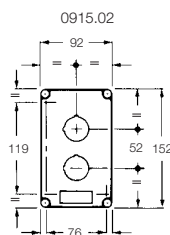
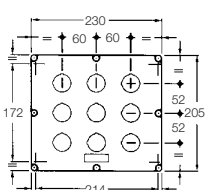
A3B 0920.03



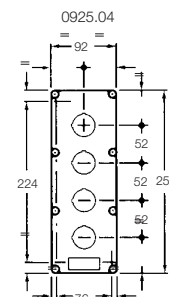
1515.04



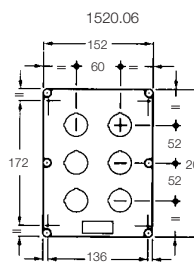
2320.09



0915.02



0925.04



1520.06

the dimensions shown are not binding and may  
be changed without notice

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## AC boxes for control devices and signals

- boxes and covers in die-cast aluminium alloy
- coated finish with epoxy-poliester powder, colour grey
- removable cover, fixed with zinc plated steel screws
- NRB special rubber gasket fixed to the cover

drawing

ILME  
part No.

description

packaging

NEW



### complete boxes

IP65 degree of protection (EN 60529)

#### covers without holes box with cable entry M25

AM 0909	external dimensions 92 x 92 x 86 mm	12
AM 0915	external dimensions 92 x 152 x 86 mm	8
AM 0920	external dimensions 92 x 205 x 86 mm	6
AM 0925	external dimensions 92 x 257 x 86 mm	4
AM 1515	external dimensions 152 x 152 x 86 mm	4
AM 1520	external dimensions 152 x 205 x 102 mm - cable entry M32	4
AM 2320 *	external dimensions 230 x 205 x 102 mm - cable entry M32	2

#### covers without holes box without holes

AP 0909	external dimensions 92 x 92 x 86 mm	12
AP 0915	external dimensions 92 x 152 x 86 mm	8
AP 0920	external dimensions 92 x 205 x 86 mm	6
AP 0925	external dimensions 92 x 257 x 86 mm	4
AP 1515	external dimensions 152 x 152 x 86 mm	4
AP 1520	external dimensions 152 x 205 x 102 mm	4
AP 2320	external dimensions 230 x 205 x 102 mm	2

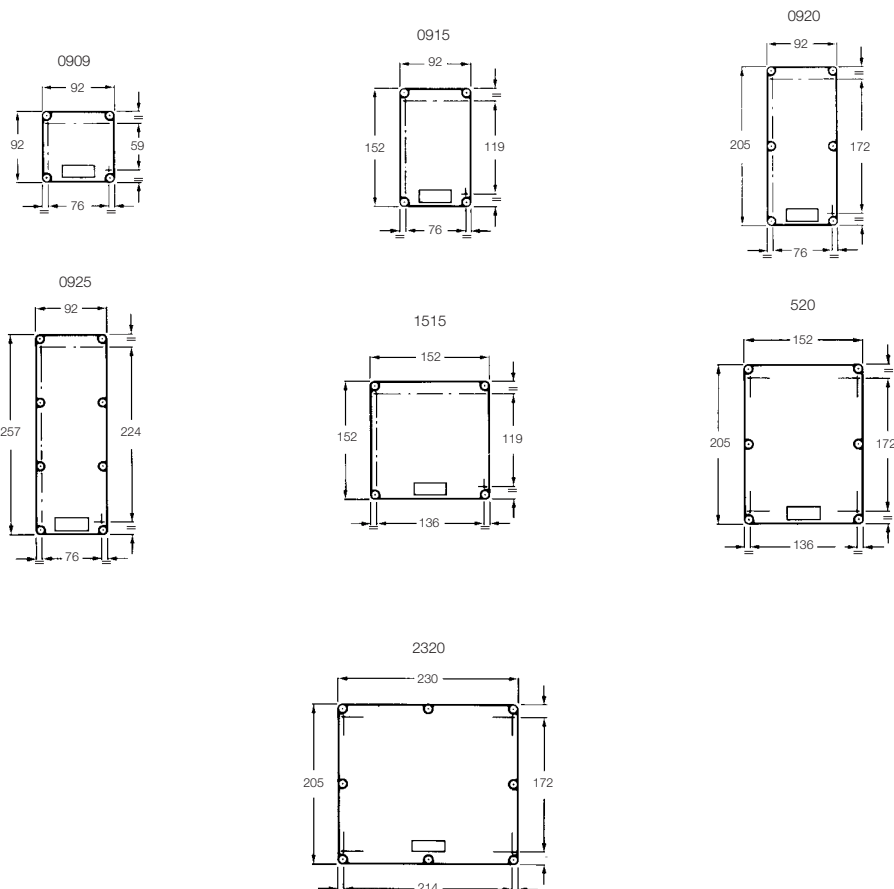
### Covers

#### without holes

AC 0909	external dimensions 92 x 92 x 15 mm	2
AC 0915	external dimensions 92 x 152 x 15 mm	2
AC 0920	external dimensions 92 x 205 x 15 mm	2
AC 0925	external dimensions 92 x 257 x 15 mm	2
AC 1515	external dimensions 152 x 152 x 15 mm	2
AC 1520	external dimensions 152 x 205 x 15 mm	2
AC 2320	external dimensions 230 x 205 x 15 mm	2

\* on request this box can be supplied with cable entry on the short side (205 mm)

lateral size see page. 132



the dimensions shown are not binding and may be changed without notice

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## Z load-break switches for industrial use

- self-cleaning contacts in copper alloy with pellet in silver alloy
- lined terminals with IP20 degree of protection (EN 60529) against accidental contacts
- pillar terminals with unlosable screws with cross head for section conductors max 10 mm<sup>2</sup> (32A) and 35 mm<sup>2</sup> (80A).
- insulating terminal board guard
- removable control shaft, replaceable by an extended shaft (L=300) in the ZQ version.
- control operation angle: 90°.

### technical features of the “Z” load-break switches in compliance with EN 60947-3

conventional thermal current	I <sub>th</sub> free air	A	32	80	125	160
	I <sub>th</sub> enclosed	A	25	63	100	125
rated insulation voltage	U <sub>i</sub>	V	690	690	750	750
dielectric withstand voltage 50 Hz 1'		V	4000	4000	5000	5000
rated impulse withstand voltage	U <sub>imp</sub>	kV	6	6	8	8
rated operational currents	I <sub>e</sub> 400V a.c.	AC-21A	A	32	80	125
		AC-22A	A	32	80	125
		AC-23A	A	32	80	125
	500V a.c.	AC-21A	A	32	80	125
		AC-22A	A	32	80	125
		AC-23A	A	25	63	100
	690V a.c.	AC-21A	A	32	80	125
		AC-22A	A	23	80	125
		AC-23A	A	17	63	63
	250V d.c.	DC-21A	A	(§)	(§)	125
		DC-22A	A	16 (*)	32 (**)	125
		DC-23A	A	-	-	125
rated short-time withstand current withstand (1 second)	I <sub>cw</sub>	kA <sub>eff.</sub>	0.66	1.7	7	7
rated conditional short-circuit current		kA <sub>eff.</sub>	50 (***)	50 (***)	100	100
		fuse	32A	80A	125A	160A
			TNDz (slow)	NH00 gG	NH gl-gG	NH gl-gG
			NDz (fast) 10x38 gG-aM	22x58 gG-aM		
rated breaking capacity 400V a.c. AC-23A	I <sub>c</sub>	A <sub>eff.</sub>	256	640	1000	1000
rated making capacity 400V a.c. AC-23A	I	A <sub>eff.</sub>	320	800	1250	1250
rated short-circuit making capacity on short circuit	I <sub>cm</sub>	kA peak	0.64	2.2	12	12
electrical durability (operating cycles)		on-load cycles	1500	1500	1000	1000
mechanical durability (operating cycles)		no-load cycles	30000	30000	10000	10000
operating torque			1.5 Nm	3.5 Nm	6.5 Nm	6.5 Nm

(\*) = with 4 poles in series    (\*\*) = with 3 poles in series    (§) = not tested    (\*\*\*) = cos φ = 0.25

utilization categories:

AC-21A switching of resistive loads, incl. moderate overloads, frequent operations

AC-22A switching of mixed resistive and inductive loads, incl. moderate overloads, frequent operations

AC-23A switching of motor loads or other highly inductive loads, frequent operations



## Z load-break switches for industrial purposes

- in compliance with EN 60947-3
- frontal central actuator
- double breaking for each pole
- insulated parts in self-extinguishing class V0 thermoplastic, in compliance with the UL 94 standard, resistant to the glow wire at 960°C (standards IEC 60695-2-11)

drawing

ILME  
part No.

description

packaging

### switches for boards with door interlock - 500V ~

32A and 80A types provided with floating shaft

<b>ZQ 322</b>	<b>32A</b> - two-pole	1
<b>ZQE 322</b>	<b>32A</b> - two-pole - emergency handle (yellow-red)	1
<b>ZQ 323</b>	<b>32A</b> - three-pole	1
<b>ZQE 323</b>	<b>32A</b> - three-pole - emergency handle (yellow-red)	1
<b>ZQ 324</b>	<b>32A</b> - four-pole	1
<b>ZQE 324</b>	<b>32A</b> - four-pole - emergency handle (yellow-red)	1
<b>ZQ 802</b>	<b>80A</b> - two-pole	1
<b>ZQE 802</b>	<b>80A</b> - two-pole - emergency handle (yellow-red)	1
<b>ZQ 803</b>	<b>80A</b> - three-pole	1
<b>ZQE 803</b>	<b>80A</b> - three-pole - emergency handle (yellow-red)	1
<b>ZQ 804</b>	<b>80A</b> - four-pole	1
<b>ZQE 804</b>	<b>80A</b> - four-pole - emergency handle (yellow-red)	1
<b>ZQ 1603</b>	<b>160A</b> - three-pole	1
<b>ZQ 1604</b>	<b>160A</b> - four-pole	1

### accessories

#### extended shaft

<b>ZR 3280</b>	for 32A - 80A switches - lenght 300 mm	10
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#### auxiliary contact

<b>ZR 80 S</b>	for 80A switches - 5A - 250V ~	1
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#### spare floating shaft

<b>ZR 32 AF</b>	for 32A switches with door interlock	1
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<b>ZR 80 AF</b>	for 80A switches with door interlock	1
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#### clamping spring on DIN-rail EN 60715 for "Z" switches

<b>ZR 3280 MS</b>	for 32A and 80A switches	1
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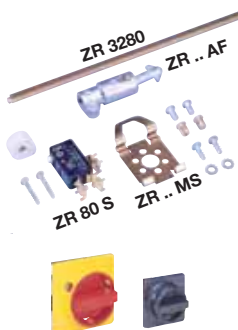
#### handle for replacement

<b>ZQ 32 OPA</b>	emergency handle (yellow-red) 32A	1
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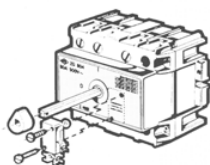
<b>ZQ 80 OPA</b>	emergency handle (yellow-red) 80A	1
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<b>ZQ 32 OPN</b>	black handle 32A	1
------------------	------------------	---

<b>ZQ 80 OPN</b>	black handle 80A	1
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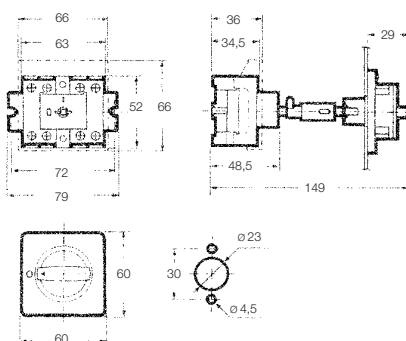


Mounting auxiliary contacts

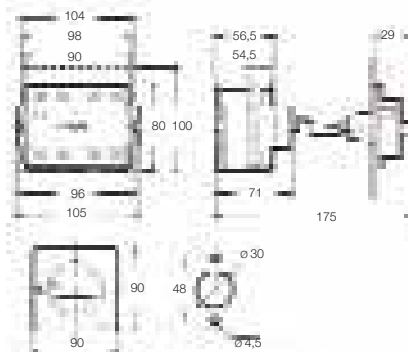


ZQ 32

Dimension in mm.



ZQ 80



the dimensions shown are not binding and may  
be changed without notice

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



## VS - VD fuse carriers

- recommended maximum capacity

type	380V	500V	660V
VS 1038	25A	20A	—
VS 1451	50A	40A	25A
VS 2258	100A	80A	50A
VD 2516	25A	25A	—

- degree of protection IP20 in compliance with CEI EN 63529
- Insulating parts realized in glass-fibre reinforced thermosetting polyester, colour grey RAL 7035, self-extinguishing VO according UL 94 without emission of toxic smokes, resistance to the glow-wire test at 960° C according to IEC 60695-2-11.

drawing

ILME  
part No.

description

packaging

### sectionable fuse carriers VS

in insulating thermosetting self-extinguishing material  
suitable for fixing on DIN-rail EN 60715  
terminals with unlosable screw  
fuse-links not included, types with sectionable neutral provided with fixed neutral cylinder  
**for cylindrical fuse-links 10 x 38 mm**

<b>VS 1038.1</b>	one-pole - 1 unit module	1
<b>VS 1038.1N</b>	one-pole plus sectionable neutral - 2 modules	1
<b>VS 1038.2</b>	two-pole - 2 modules	1
<b>VS 1038.3</b>	three-pole - 3 modules	1
<b>VS 1038.3N</b>	three-pole plus sectionable neutral - 4 modules	1

#### for cylindrical fuse-links 14 x 51 mm

<b>VS 1451.1</b>	one-pole - 1.5 modules	1
<b>VS 1451.1N</b>	one-pole plus sectionable neutral - 3 modules	1
<b>VS 1451.2</b>	two-pole - 3 modules	1
<b>VS 1451.3</b>	three-pole - 4.5 modules	1
<b>VS 1451.3N</b>	three-pole plus sectionable neutral - 6 modules	1

#### for cylindrical fuse-links 22 x 58 mm

<b>VS 2258.1</b>	one-pole - 2 modules	1
<b>VS 2258.1N</b>	one-pole plus sectionable neutral - 4 modules	1
<b>VS 2258.2</b>	two-pole - 4 modules	1
<b>VS 2258.3</b>	three-pole - 6 modules	1
<b>VS 2258.3N</b>	three-pole plus sectionable neutral - 8 modules	1

### accessories fuse carriers VS

#### spare fuse-links - 1 module

<b>VS 1038 CS</b>	may contain up to 5 spare fuse-links 10 x 38 mm to be fixed on DIN-rail EN 60715	1
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#### handle to assemble unipolar devices

<b>VA 300</b>	length 300 mm - shearable	1
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### screw-type fuse carriers VD

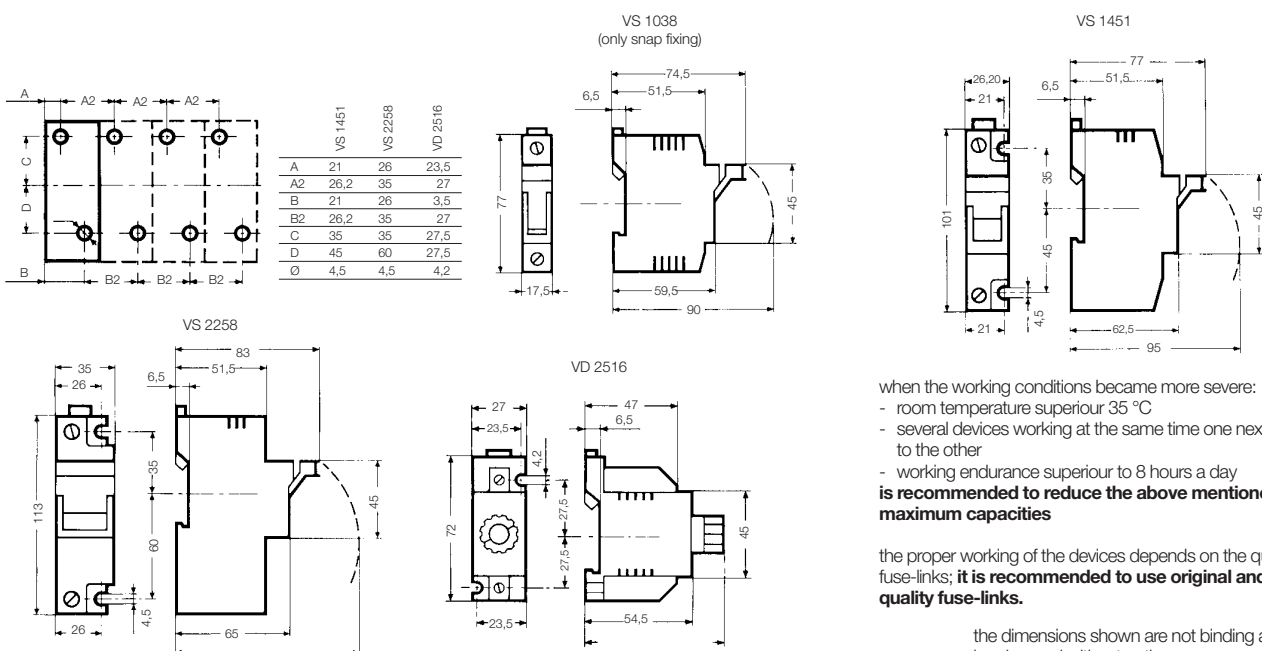
in insulating thermosetting self-extinguishing material  
suitable for fixing on DIN-rail EN 60715  
terminals with unlosable screw  
provided with fuse base and fixing spring for gauge  
**for E16 fuse-links (13 x 50 mm)**

<b>VD 2516.1</b>	one-pole - 1.5 modules	1
<b>VD 2516.2</b>	two-pole - 3 modules	1
<b>VD 2516.3</b>	three-pole - 4.5 modules	1

### accessories fuse carriers VD

#### screw plugs for fuses

<b>VD COP E16</b>	for E16 fuse-carriers (13 x 50 mm)	1
-------------------	------------------------------------	---



when the working conditions became more severe:

- room temperature superior 35 °C
  - several devices working at the same time one next to the other
  - working endurance superior to 8 hours a day
- is recommended to reduce the above mentioned maximum capacities**

the proper working of the devices depends on the quality of fuse-links; **it is recommended to use original and top quality fuse-links.**

the dimensions shown are not binding and may be changed without notice

VS - VD





## Part Nos. index

Part No.	page	Part No.	page	Part No.	page
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