

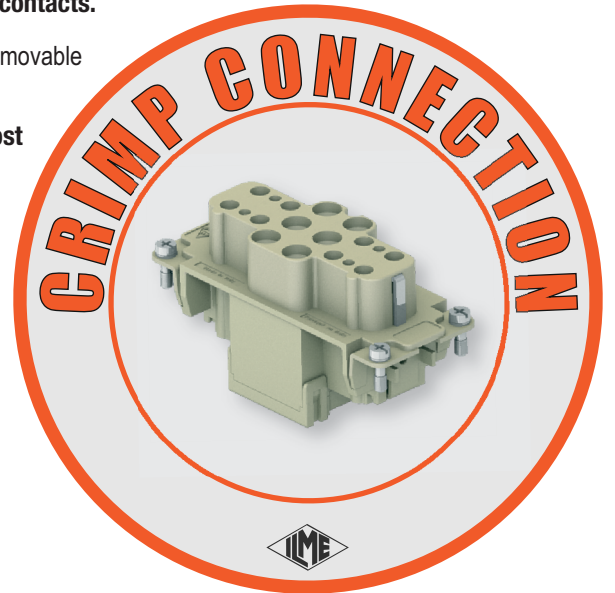
CX 6/12 inserts

Main features

New CX 6/12 insert has been developed **with a retainer device on crimp contacts**.

This layout enables the wires to be connected to the socket and plug insert removable contacts by crimping them with a crimp tool and its locating turret.

The crimp connection is insured and is **extremely resistant even to the most insidious strains**, such as vibrations.



Inserts series: advantages

- › great resistance to strong vibrations;
- › for wires: up to 10 mm² (AWG 8);
- › auxiliary crimp contacts: silver or gold plated.

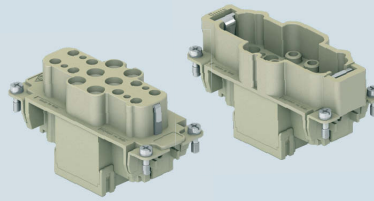
Inserts series		CX	
No. of poles	main contact	6 + ⊕ (40A)	
	auxiliary contacts	12 (10A)	
rated current ¹⁾		40A	10A
EN 61984 pollution degree 3	rated voltage	690V	230V/400V
	rated impulse withstand voltage	8kV	4kV
	pollution degree	3	3
contact resistance		≤ 0,3 mΩ (40A) ≤ 1 mΩ (16A)	
insulation resistance		≥ 10 GΩ	
ambient temperature limit (°C)	min	-40 °C	
	max	+125 °C	
degree of protection	with enclosures (according to version)	IP65, IP66, IP67, IP68, IP69K	
	without enclosures	IP20	
conductor connections		crimp	
conductor cross-section	mm ²	1,5 10	
	AWG	16 - 8	
conductor cross-section (CC contact series)	mm ²	0,14 2,5	
	AWG	26 - 14	
CX/CC stripping length	mm	8 / 9 / 15	
mechanical endurance (rating cycles)		≥ 500	

enclosures:
size "77.27" page:

C-TYPE IP65/IP66 250 - 256
C7 IP67, two levers 276
V-TYPE IP65/IP66, single lever 282/292 - 295
BIG hoods 312 - 315
T-TYPE IP65 insulating 330 - 331
T-TYPE / W IP66 insulating 340 - 341
HYGIENIC T-TYPE / H IP66/IP69 354 - 355
HYGIENIC T-TYPE / C IP66/IP69, -50 °C 362 - 363
W-TYPE for aggressive environments 375
EMC 394
central lever 408 - 409
IP68 428 - 431
LS-TYPE 454 - 455

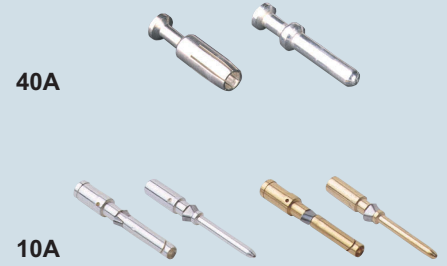
panel supports: page:
COB 462 - 463

**inserts,
crimp connections**



NEW

**40A and 10A crimp contacts
silver and gold plated**



description	part No.	part No.	part No.
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without contacts (to be ordered separately)
 female inserts for female contacts
 male inserts for male contacts

**CXF 6/12
 CXM 6/12**

40A female crimp contacts

1,5 mm ²	AWG 16
2,5 mm ²	AWG 14
4 mm ²	AWG 12
6 mm ²	AWG 10
10 mm ²	AWG 8

40A male crimp contacts

1,5 mm ²	AWG 16
2,5 mm ²	AWG 14
4 mm ²	AWG 12
6 mm ²	AWG 10
10 mm ²	AWG 8

**CXFA 1.5
 CXFA 2.5
 CXFA 4.0
 CXFA 6.0
 CXFA 10**

silver plated

**CXMA 1.5
 CXMA 2.5
 CXMA 4.0
 CXMA 6.0
 CXMA 10**

10A female contacts

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

10A male contacts

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

**CDFA 0.3
 CDFA 0.5
 CDFA 0.7
 CDFA 1.0
 CDFA 1.5
 CDFA 2.5**

silver plated

**CDFD 0.3
 CDFD 0.5
 CDFD 0.7
 CDFD 1.0
 CDFD 1.5
 CDFD 2.5**

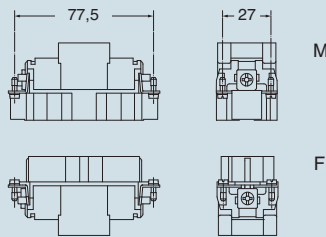
gold plated 1)

**CDMA 0.3
 CDMA 0.5
 CDMA 0.7
 CDMA 1.0
 CDMA 1.5
 CDMA 2.5**

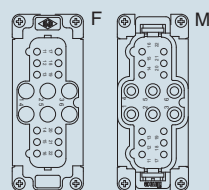
**CDMD 0.3
 CDMD 0.5
 CDMD 0.7
 CDMD 1.0
 CDMD 1.5
 CDMD 2.5**

- characteristics according to EN 61984:
40A 690V 8kV 3
10A 230V/400V 4kV 3
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 0,3 \text{ m}\Omega$ (6 poles)
 $\leq 1 \text{ m}\Omega$ (12 poles)
- cable diameter: up to 7,5 mm
- contact section: up to 10 mm²

dimensions in mm



contacts side (front view)

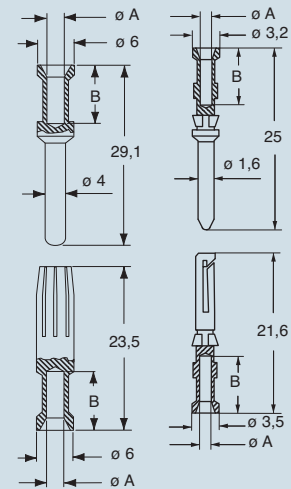


CXF and CXM contacts

conductor section mm ²	conductor slot $\varnothing A$ (mm)	conductors stripping length B (mm)
1,5	1,8	9
2,5	2,2	9
4	2,85	9,6
6	3,5	9,6
10	4,3	15

dimensions in mm

CXF and CXM CDF and CDM



for contact crimping instructions, please see the crimping tool section (40A contacts CXF, CXM series and 10A contacts CDF, CDM series) on pages 534, 536, 538, 544, 546, 548 catalogue CN.16

CDF and CDM contacts

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

dimensions shown are not binding
 and may be changed without notice

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