

CX 6 poles + ⊕ (100A - 690V) + 6 poles (16A - 400V) + ⊕

enclosures:
size "104.27"

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C-TYPE IP65/IP66	412 - 423
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panel supports:
COB

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652 - 653

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

inserts, crimp connections



100A and 16A crimp contacts
silver and gold plated



description

part No.

part No

without contacts (to be ordered separately)

female inserts for female contacts

CXF 6/6

male inserts for male contacts

CXM 6/6

100A female crimp contacts

8 - 10 mm ²	AWG 8 - 7
16 mm ²	AWG 6 - 5
25 mm ²	AWG 4 - 3
35 mm ²	AWG 2

CGFA 10
CGFA 16
CGFA 25
CGFA 35

100A male crimp contacts

8 - 10 mm ²	AWG 8 - 7
16 mm ²	AWG 6 - 5
25 mm ²	AWG 4 - 3
35 mm ²	AWG 2

CGMA 10
CGMA 16
CGMA 25
CGMA 35

* for basic or high
thickness gold
plating, please refer
to page 675

16A female contacts

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

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

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

16A male contacts

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

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

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

- characteristics according to EN 61984:

100A 690V 8kV 3

16A 400V 6kV 3

- cULus (UL for USA and Canada), SP, CQC, DNV-GL

UL ENEC certified

- rated voltage according to UL/CSA: 600V

- insulation resistance: ≥ 10 GΩ

- ambient temperature limit: -40 °C ... +125 °C

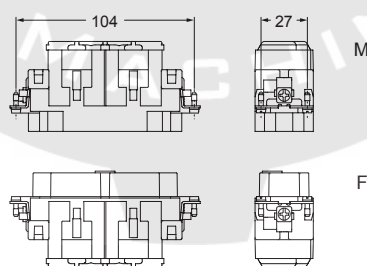
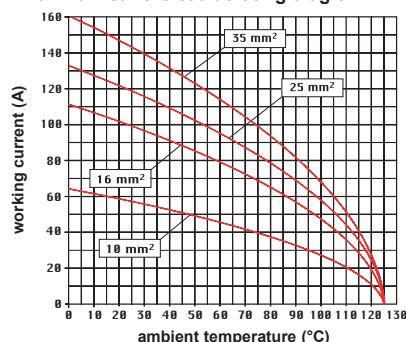
- made of self-extinguishing thermoplastic resin UL 94V-0

- mechanical life: ≥ 500 cycles

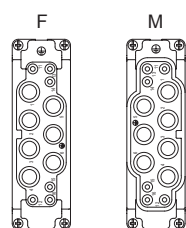
- contact resistance: ≤ 0,3 mΩ (100A), ≤ 1 mΩ (16A)

- for max. current load see the connector inserts derating diagram below; for more information see page 28

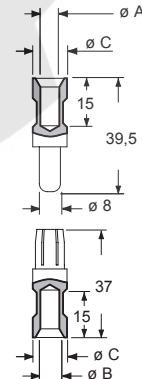
CX 6/6 power poles connector inserts
Maximum current load derating diagram



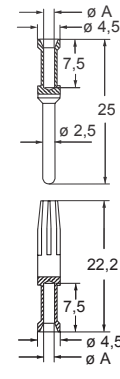
contacts side (front view)



CGF and CGM



CCF and CCM



CGF and CGM contacts

conductor section (mm ²)	conductor slot Ø A (mm)	conductor slot Ø B (mm)	conductor slot Ø C (mm)	conductor stripping length (mm)
8-10	4,3	4,3	13	15
16	5,5	5,5	13	15
25	7,0	7,0	13	15
35	7,9	8,2	12,5	15

CCF and CCM contacts

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

it is recommended to crimp the contacts with crimping tools homologated by ILME (please see the crimping tool section 100A contacts CGF, CGM series and 16A contacts CCF, CCM series) on pages 708 - 741