

CX 20 CF/CM 20 poles 16A - 500V

The modular inserts must be installed in suitable frames, which are then mounted in traditional enclosures or in COB panel supports.

frames for modular units

page:

316 - 317

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

modular units, crimp connections



16A crimp contacts
standard or for advanced opening
silver and gold plated



STANDARD

ADVANCED OPENING

description

part No.

part No.

without contacts (to be ordered separately)

female inserts for female contacts ¹⁾male inserts for male contacts ¹⁾CX 20 CF
CX 20 CM

16A female crimp contacts

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

16A male crimp contacts

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

16A male crimp contacts for advanced opening

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

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

silver plated

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

gold plated⁺

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

CC 0.5 AN
CC 0.7 AN
CC 1.0 AN
CC 1.5 AN
CC 2.5 AN

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

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

- characteristics according to EN 61984:

16A 500V 6kV 3

16A 830V 8kV 2

- cULus (UL for USA and Canada),

- ENEC certified

- rated voltage according to UL/CSA: 600V

- insulation resistance: $\geq 10 \text{ G}\Omega$

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

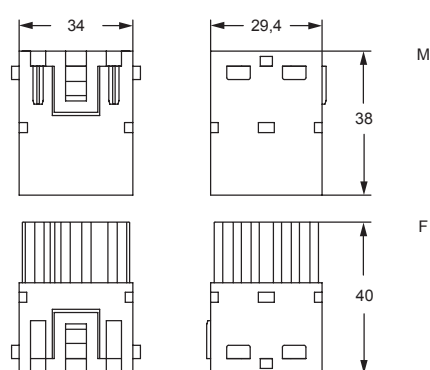
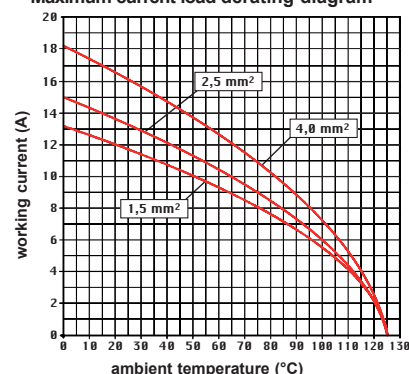
- made of self-extinguishing thermoplastic resin UL 94V-0

- mechanical life: ≥ 500 cycles- contact resistance: $\leq 1 \text{ m}\Omega$

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

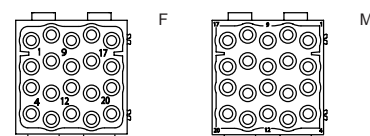
CX 20 C, 20 poles connector inserts

Maximum current load derating diagram



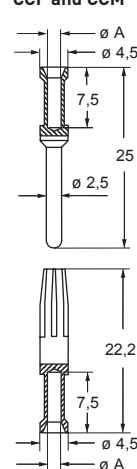
contacts side (front view)

side with reference arrow ▲

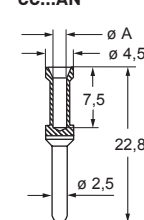


- 2 frame slots

CCF and CCM



CC...AN



CCF, CCM and CC...AN 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