

CX 01 GF/GM 1 pole 100A - 830V

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

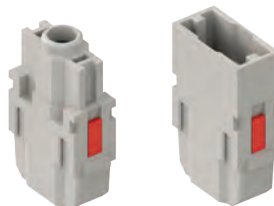
Single-sized modular units may be directly mounted inside MIXO ONE enclosures.

frames for modular units* page: 316 - 317

MIXO ONE enclosures 369

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

modular units,
crimp connections



100A silver plated crimp contacts,
PE adapter



description

part No.

part No.

without contacts (to be ordered separately)

female inserts for female contacts

male inserts for male contacts

CX 01 GF
CX 01 GM

100A female crimp contacts

8-10 mm² AWG 8-7

16 mm² AWG 6-5

25 mm² AWG 4-3

35 mm² AWG 2

CGFA 10

CGFA 16

CGFA 25

CGFA 35

silver plated

100A male crimp contacts

8-10 mm² AWG 8-7

16 mm² AWG 6-5

25 mm² AWG 4-3

35 mm² AWG 2

CGMA 10

CGMA 16

CGMA 25

CGMA 35

cable earthing adapter 16 mm² (AWG 6-5)

CGT 16

- characteristics according to EN 61984:

100A 830V 8kV 3

- 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

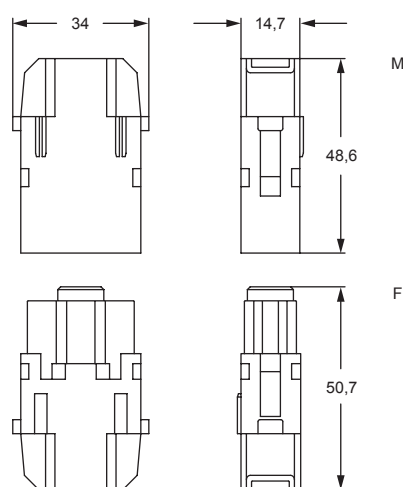
- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 0,3 \text{ m}\Omega$

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

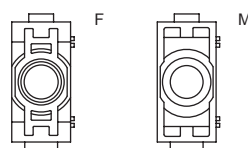
- contact removal only using a screwdriver

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



contacts side (front view)

side with reference arrow ▲

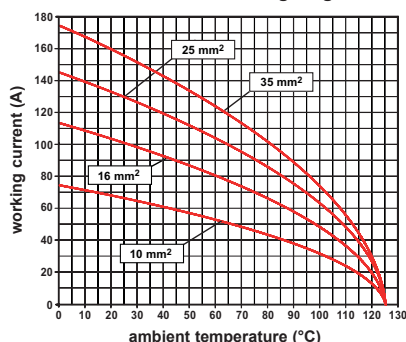


- 1 frame slot



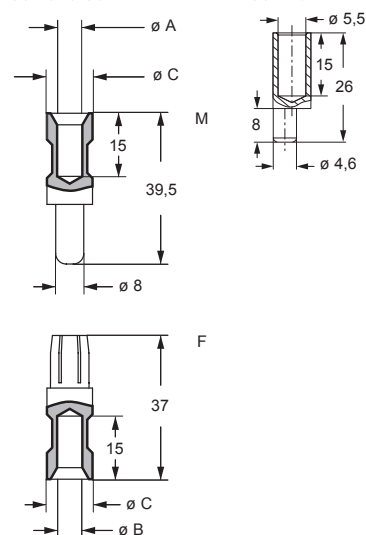
Watch
our
online
tutorial

CX 01 G, 1 pole connector inserts
Maximum current load derating diagram



CGF and CGM

CGT 16



CGF and CGM contacts

conductor section (mm ²)	conductor ø A (mm)	conductor slot ø B (mm)	conductor 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

How to use the PE adapter (CGT 16):

- 1) Strip 15 mm of flexible PE protective cable
- 2) Crimp the cable on the CGT 16 adapter by using the CGPZ pliers with the CGD 16 C matrix
- 3) Fix the adapter tip in the larger earth terminal (6 mm²) of frames CX...TM/TF
- 4) To be used with bulkhead mounting housings or high construction hoods
- 5) Cannot be used with T-TYPE series