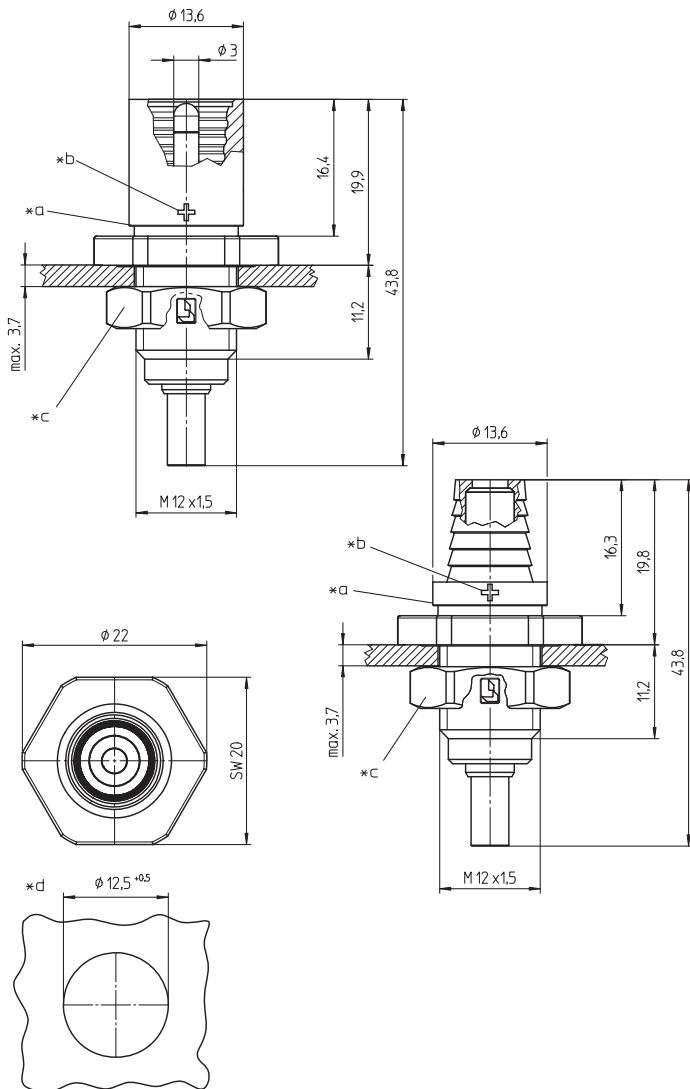




LC3-CP 10



LC3-CP 11



*a recess for optional unmating preventer LC3-CX 90 according to NEC 2008 NFPA 70

*b marking + on LC3-CP ...-1, - bei LC3-CP ...-2

*c nut enclosed separately

*d port

LC3-CP 10 LC3-CP 11

Photovoltaic chassis receptacle, with crimp contact, for front mounting

LC3-CP 10: plug

LC3-CP 11: socket

- Temperature range** -40 °C/+85 °C
(+110 °C upper limit temperature)
- Materials** halogen-free, UV-resistant
Insulating body/housing TPU, V0 according to UL 94
Contact pin/bush CuZn, pre-nickel and tinned
Contact protection (plugs only) PA, V0 according to UL 94
Sleeve (sockets only) CuZn, nickel
Hexagonal nut PA GF
- Mechanical data**
Insertion force¹ ≤ 89 N
Withdrawal force¹ ≥ 89 N
Mating cycles¹ 50
Mating with photovoltaic connectors LC3
Protection degree² IP 68
Connectable conductors crimp terminal stranded wire³
Section LC3-CP 10-... 2.5 2.5 mm² (AWG 14)
Section LC3-CP 10-... 4.0 4.0 mm² (AWG 12)
Section LC3-CP 10-... 6.0 6.0 mm² (AWG 10)
- Electrical data (at T_{amb} 20 °C)**
Contact resistance¹ ≤ 5.0 mΩ
Rated current¹ LC3-CP ... 2.5 22 A at T_{amb} 85 °C
Rated current¹ LC3-CP ... 4.0 35 A at T_{amb} 85 °C
Rated current¹ LC3-CP ... 6.0 40 A at T_{amb} 85 °C
Rated voltage⁴ 1000 V DC
Overvoltage category⁴ III (8 kV)
Material group⁴ I (IEC)/0 (UL) (CTI ≥ 600)
Creepage distance ≥ 12.5 mm
Clearance ≥ 12.5 mm
Insulation resistance > 10 GΩ

¹ measured with a proper counterpart

² 1 m/24 h, only in mated condition with a proper counterpart

³ IP X8 requirements under agreement between manufacturer and user
wire construction preferably according to IEC 60228 class 5, otherwise crimp connection must be tested

⁴ according to DIN EN 60664/IEC 60664 resp. according to ANSI/UL 746A



BAUART
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TYPE
APPROVED



Composition of type designation

Series: LC3 or LC4
Type of product
CP Connector Part
Configuration
10 chassis plug
11 chassis socket
Polarity
-1 +
-2 -
Cable section
2.5 2.5 mm² (AWG 14)
4.0 4.0 mm² (AWG 12)
6.0 6.0 mm² (AWG 10)

LC3-CP 10-1 4.0

Package unit: 100 pieces in a cardboard box