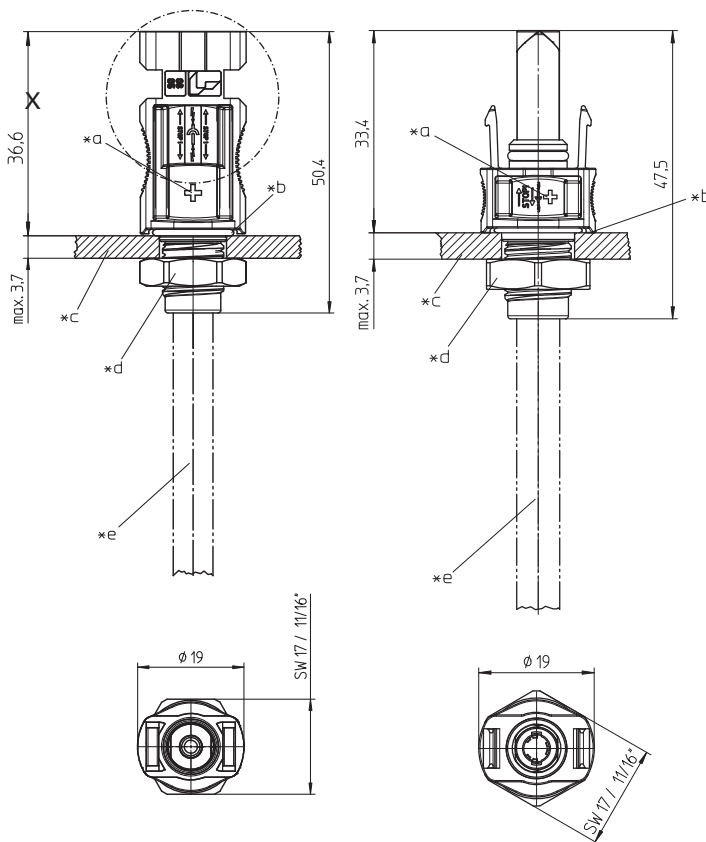
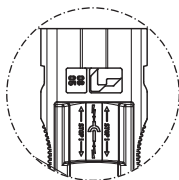



LC4-CP 10

LC4-CP 11

X

LC4-CP 10 IT

- *a marking + on LC4-CP ...-1, - bei LC4-CP ...-2
- *b sealing
- *c chassis panel
- *d nut enclosed separately
- *e cable with mounted contact to be inserted into the housing after crimping process*
- *f port

Standard packaging: individual parts in bulk, sorted in plastic bags of 100 pieces, in a cardboard box

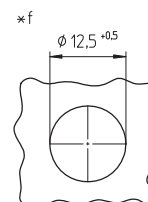
LC4-CP 10
LC4-CP 11

Photovoltaic chassis receptacle, with integrated locking and crimp contact, for front mounting

LC4-CP 10: plug

LC4-CP 11: socket

- 1. Temperature range** -40 °C/+85 °C
(+110 °C upper limit temperature)
 - 2. Materials**
 Insulating body/housing m-PPE, V0 according to UL 94
 Contact pin/bush CuNiSi, tinned
 Seal NBR
 Hexagonal nut PA GF, V0 according to UL 94
 - 3. Mechanical data**
 Insertion force¹ ≤ 20 N
 Withdrawal force¹ ≥ 10 N
 Retaining force of locking latches² ≥ 90 N
 Mating cycles² 50
 Mating with photovoltaic connectors LC4
 Protection degree³ IP 68
Connectable conductors crimp terminal stranded wire⁴
 Section LC4-CP ... 2.5 2.5 mm² (AWG 14)
 Section LC4-CP ... 4.0/6.0 4.0 mm² (AWG 12), 6.0 mm² (AWG 10)
 - 4. Electrical data (at T_{amb} 20 °C)**
 Contact resistance² ≤ 5.0 mΩ
 Rated current² LC4-CP ... 2.5 22 A at T_{amb} 85 °C
 Rated current² LC4-CP ... 4.0/6.0 30 A at T_{amb} 85 °C
 Rated voltage⁵ 1000 V DC (UL 600 V DC)
 Overvoltage category⁵ III (8 kV)
 Material group⁵ I (IEC)/0 (UL) (CTI ≥ 600)
 Creepage distance ≥ 28.2 mm
 Clearance ≥ 28.2 mm
 Insulation resistance > 10 GΩ
- ¹ measured with a polished steel gauge, nominal thickness 4.0 mm
² measured with a proper counterpart
³ only in mated condition with a proper counterpart
⁴ IP X8 requirements under agreement between manufacturer and user
⁵ wire construction preferably according to IEC 60228 class 5, otherwise crimp connection must be tested according to DIN EN 60664/IEC 60664 resp. according to ANSI/UL 746A


Composition of type designation
