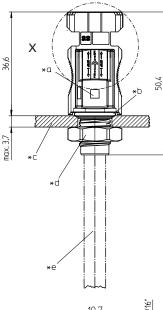
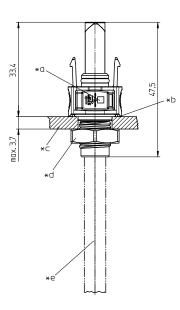


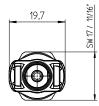
## **LC4-CP 10**

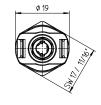


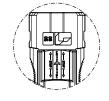
LC4-CP 11













LC4-CP 10 IT

- \*a marking + on LC4-CP 1...-1, on LC4-CP 1...-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

LC4® photovoltaic chassis receptacle, with integrated locking and crimp contact, for front mounting

-40 °C/+85 °C (IEC) -40 °C/+90 °C (UL) (+110 °C upper limit temperature)

halogen-free, UV-resistant

CuNiSi, tinned NBR

≤ 20 N ≥ 10 N ≥ 90 N 50

≤ 1 mΩ

m-PPE, V0 according to UL 94

PA GF, HB according to UL 94

22 A at T<sub>amb</sub> 85 °C 30 A at T<sub>amb</sub> 85 °C 35 A at T<sub>amb</sub> 20 °C, both 1000 V DC (IEC)/600 V DC (UL) III (8 kV)

I (IÈC)/0 (UL) (CTI ≥ 600)

LC4-CP 10: plug LC4-CP 11: socket

1. Temperature range

2. Materials Insulating body Contact pin/bush Seal

Hexagonal nut **Mechanical data** 

Insertion force<sup>1</sup> Withdrawal force<sup>1</sup> Withdrawal force | ≥ 10 N

Retaining force of locking latches² | ≥ 90 N

Mating cycles² | 50

Tightening torque nut | 0.8–1.1 Nm

Mating with | photovoltaic connectors LC4

Protection degree³ | P 68

Connectable conductors crimp terminal stranded wire, insulated⁴

Section LC4-CP 1... 2.5 | 2.5 mm² (AWG 14)

Section LC4-CP 1... 4.0/6.0 | 4.0 mm² (AWG 12), 6.0 mm² (AWG 10)

Electrical data (at T<sub>amb</sub> 20 °C) Contact resistance<sup>2</sup>

Rated current (IEC)<sup>2</sup> LC4-CP 1... 2.5 LC4-CP 1... 4.0/6.0 Rated current (UL)<sup>2</sup> Rated voltage<sup>5</sup> Overvoltage category<sup>5</sup>

Material group<sup>5</sup> I (Creepage distance/clearance between contact and touchable surface Insulation resistance

28.3 mm > 10 GΩ measured with a polished steel gauge, nominal thickness 4.0 mm

measured with a proper counterpart according to IEC 60529/DIN EN 60529

IP X8 requirements under agreement between manufacturer and user 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

Series: LC3 or LC4 Type of product CP **C**onnector **P**art Configuration

10 chassis plug 11 chassis socket

Polarity -1 -2

Locking option
IT Internal locking is only

unlockable with a **T**ool, otherwise it can be unlocked manually

Cable section

2.5 mm² (AWG 14) 4.0 mm² (AWG 12) and 6.0 mm² (AWG 10) 4.0/6.0

Package unit option

100 pieces (standard, individual parts in bulk, sorted) 100 pieces (one plastic bag per connector, individual VP19

parts)