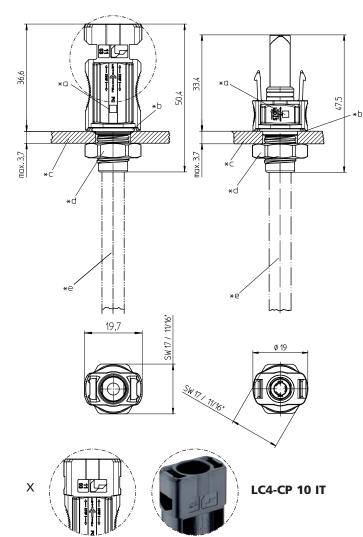
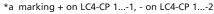




**LC4-CP 10** 

LC4-CP 11





- \*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) (+125 °C upper limit temperature)

halogen-free, UV-resistant

m-PC, V1 according to UL 94 CuNiSi, tin-plated

silicone 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, all sections 1000 V DC (IEC)/600 V DC (UL)

≥ 10 N ≥ 90 N

≤ 1 mΩ

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

### 1. Temperature range

2. Materials Insulating body Contact pin/bush Sealing (sockets only) Hexagonal nut

#### Mechanical data

Insertion force<sup>1</sup> Withdrawal force1 Withdrawal force¹ ≥ 10 N
Retaining force of locking latches² ≥ 90 N
Mating cycles²
Tightening torque nut
Mating with
Protection degree³

Connectable conductors crimp terminal stranded wire, insulated⁴
Section LC4-CP 1... 4.0
Section LC4-CP 1... 6.0

Electrical data (at  $T_{amb}$  20 °C)

Contact resistance<sup>2</sup>
Rated current (IEC)<sup>2</sup>
LC4-CP 1... 2.5
LC4-CP 1... 4.0 and 6.0

Rated current (UL)<sup>2</sup> Rated voltage<sup>5</sup> Overvoltage category<sup>5</sup>

Material group<sup>5</sup> III Creepage distance/clearance between contact and touchable surface 28 IIIa (IEC)/3 (UL) (CTI ≥ 225) 28.3 mm Insulation resistance

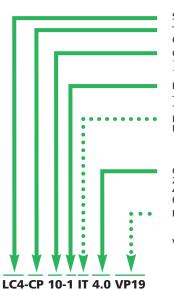
> 10 GΩ

measured with a polished steel gauge, nominal thickness 4.0 mm measured with a proper counterpart according to IEC 60529/DIN EN 60529 only in mated condition with a proper counterpart IP X8 requirements under agreement between manufacturer and user wire construction preferably according to IEC 60228 class 5, for more details see separate data sheet on request 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**onnec Connector Part Configuration

10 chassis plug 11 chassis socket

Polarity -1 -2

Locking option

Internal locking is only unlockable with a **T**ool, otherwise it can be unlocked manually

Cable section 2.5 2.5 m 4.0 4.0 m 2.5 mm<sup>2</sup> (AWG 14) 4.0 mm<sup>2</sup> (AWG 12) 6.0 mm<sup>2</sup> (AWG 10) 6.0

Package unit option

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

parts)