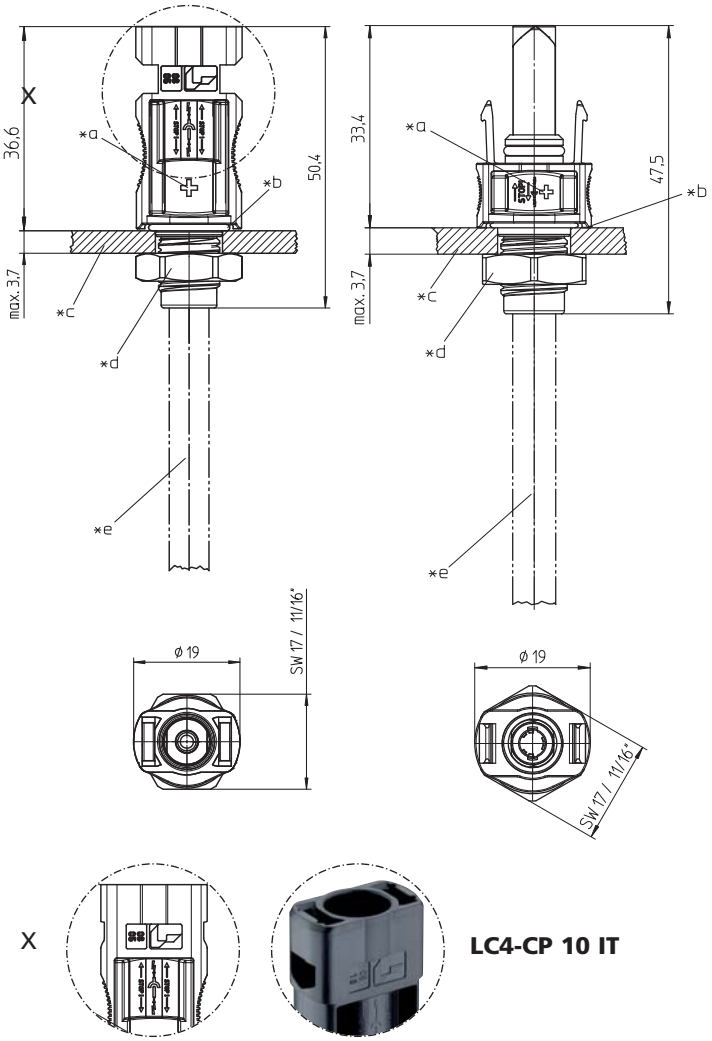
LC4-CP 10

LC4-CP 11



LC4-CP 10 IT

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**	halogen-free, UV-resistant
	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 force[1]	≤ 20 N
	Withdrawal force[1]	≥ 10 N
	Retaining force of locking latches[2]	≥ 90 N
	Mating cycles[2]	50
	Mating with	photovoltaic connectors LC4
	Protection degree[3]	IP 68
	Connectable conductors crimp terminal stranded wire[4]	
	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 resistance[2]	≤ 5.0 mΩ
	Rated current[2] LC4-CP ... 2.5	22 A at T_{amb} 85 °C
	Rated current[2] LC4-CP ... 4.0/6.0	30 A at T_{amb} 85 °C
	Rated voltage[5]	1000 V DC (UL 600 V DC)
	Overvoltage category[5]	III (8 kV)
	Material group[5]	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
IP X8 requirements under agreement between manufacturer and user
4 wire construction preferably according to IEC 60228 class 5, otherwise crimp connection must be tested
5 according to DIN EN 60664/IEC 60664 resp. according to ANSI/UL 746A

TÜV Rheinland Product Safety — BAUART GEPRÜFT — TYPE APPROVED ®

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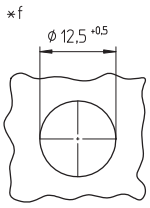

*a marking + on LC4-CP ...-1, - bei LC4-CP ...-2
*b sealing
*c chassis panel
*d nut enclosed separately
e cable with mounted contact to be inserted into the housing after crimping process
*f port

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

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 **I**nternal locking is only unlockable with a **T**ool, otherwise it can be unlocked manually
Cable section
2.5 2.5 mm² (AWG 14)
4.0/6.0 4.0 mm² (AWG 12) and 6.0 mm² (AWG 10)
Package unit option
100 pieces (standard, individual parts in bulk, sorted)
VP19 100 pieces (one plastic bag per connector, individual parts)

LC4-CP 10-1 IT 4.0/6.0 VP19