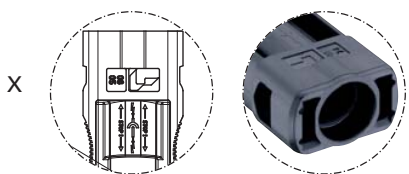
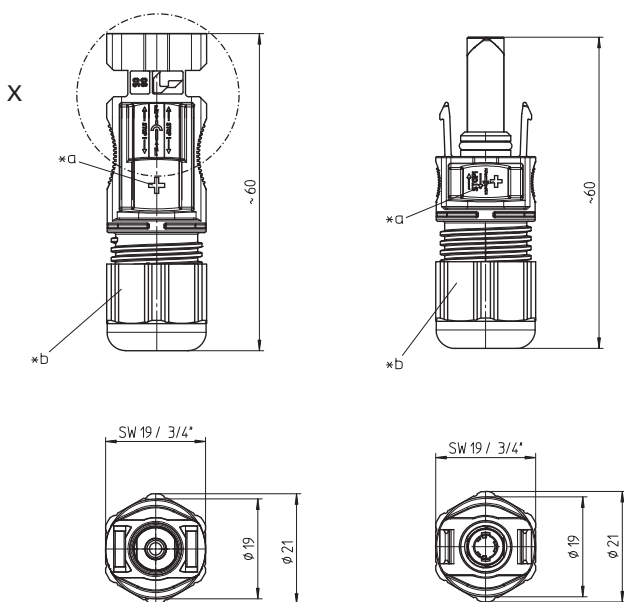




LC4-CP 30



LC4-CP 31



LC4-CP 30 IT

\*a marking + on LC4-CP ...-1, - bei LC4-CP ...-2  
\*b hexagonal nut

Standard packaging: pre-assembled, contacts in bulk, sorted in plastic bags of 50 pieces, in a cardboard box

**LC4-CP 30  
LC4-CP 31**

Photovoltaic connector, field-attachable, with integrated locking and crimp contact

LC4-CP 30: plug  
LC4-CP 31: 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  
Cap nut PC, V1 according to UL 94
- 3. Mechanical data**  
Insertion force<sup>1</sup> ≤ 20 N  
Withdrawal force<sup>1</sup> ≥ 10 N  
Retaining force of locking latches<sup>2</sup> ≥ 90 N  
Mating cycles<sup>2</sup> 50  
Tightening torque cap nut 3.5–4.5 N  
Mating with photovoltaic connectors LC4  
Protection degree<sup>3</sup> IP 68  
**Connectable conductors crimp terminal**  
Photovoltaic cable, double-insulated<sup>4</sup>  
Section LC4-CP ... 2.5 2.5 mm<sup>2</sup> (AWG 14)  
Section LC4-CP ... 4.0/6.0 4.0 mm<sup>2</sup> (AWG 12), 6.0 mm<sup>2</sup> (AWG 10)  
Cable diameter 6.2–7.8 mm  
Approved cables on the Internet site [www.lumberg.com](http://www.lumberg.com)
- 4. Electrical data (at T<sub>amb</sub> 20 °C)**  
Contact resistance<sup>2</sup> ≤ 5.0 mΩ  
Rated current<sup>2</sup> LC4-CP ... 2.5 22 A at T<sub>amb</sub> 85 °C  
Rated current<sup>2</sup> LC4-CP ... 4.0/6.0 30 A at T<sub>amb</sub> 85 °C  
Rated voltage<sup>5</sup> 1000 V DC (UL 600 V DC)  
Overvoltage category<sup>5</sup> III (8 kV)  
Material group<sup>5</sup> I (IEC)/0 (UL) (CTI ≥ 600)  
Creepage distance ≥ 28.2 mm  
Clearance ≥ 28.2 mm  
Insulation resistance > 10 GΩ

<sup>1</sup> measured with a polished steel gauge, nominal thickness 4.0 mm  
<sup>2</sup> measured with a proper counterpart  
<sup>3</sup> only in mated condition with a proper counterpart  
<sup>4</sup> IP X8 requirements under agreement between manufacturer and user  
<sup>5</sup> 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**

