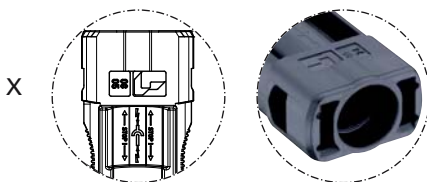
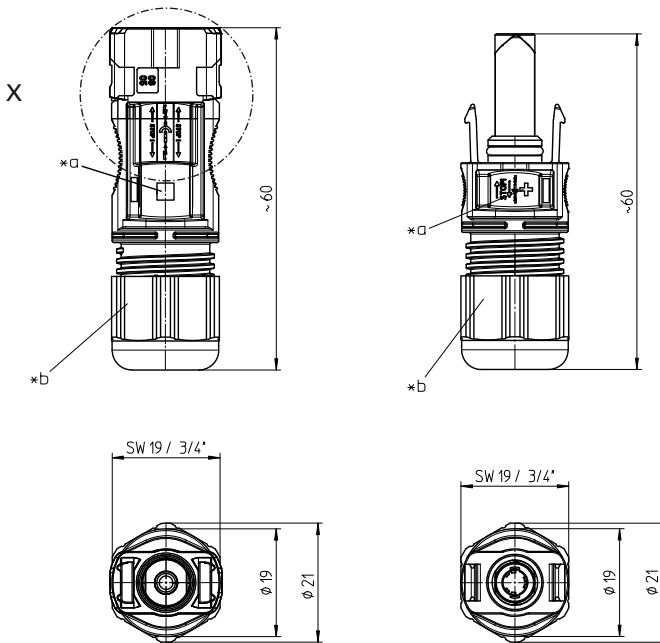




LC4-CP 30



LC4-CP 31



LC4-CP 30 IT

*a marking + on LC4-CP 3...-1, - on LC4-CP 3...-2
*b hexagonal cap 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

LC4® 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 (IEC) -40 °C/+90 °C (UL) (+110 °C upper limit temperature)
2. Materials	halogen-free, UV-resistant Insulating body: m-PPE, V0 according to UL 94 Contact pin/bush: CuNiSi, tinned Seal: NBR Cap nut: m-PC, V1 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 Tightening torque cap nut: 3.5–4.5 Nm Mating with: photovoltaic connectors LC4 Protection degree ³ : IP 68 Connectable conductors crimp terminal Photovoltaic cable, double-insulated ⁴ Section LC4-CP 3... 2.5: 2.5 mm ² (AWG 14) Section LC4-CP 3... 4.0/6.0: 4.0 mm ² (AWG 12), 6.0 mm ² (AWG 10) Cable diameter: 6.3–7.8 mm Approved cables on the Internet site www.lumberg.com
4. Elektrische Daten (at T _{amb} 20 °C)	Contact resistance ² : ≤ 1 mΩ Rated current (IEC) ² : LC4-CP 3... 2.5: 22 A at T _{amb} 85 °C LC4-CP 3... 4.0/6.0: 30 A at T _{amb} 85 °C Rated current (UL) ² : 35 A at T _{amb} 20 °C, both Rated voltage ⁵ : 1000 V DC (IEC)/600 V DC (UL) Overvoltage category ⁵ : III (8 kV) Material group ⁵ : I (IEC)/0 (UL) (CTI > 600) Creepage distance/Clearance ² between: contact and touchable surfaces: 28.3 mm contact and cable outlet: 21.2 mm Isolationwiderstand: > 10 GΩ

¹ measured with a polished steel gauge, nominal thickness 4.0 mm
² measured with a proper counterpart according to IEC 60529/DIN EN 60529
³ only in mated condition with a proper counterpart
⁴ IP X8 requirements under agreement between manufacturer and user 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

