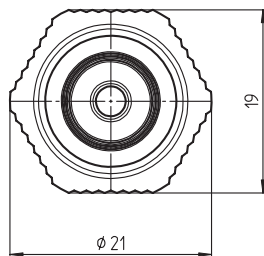
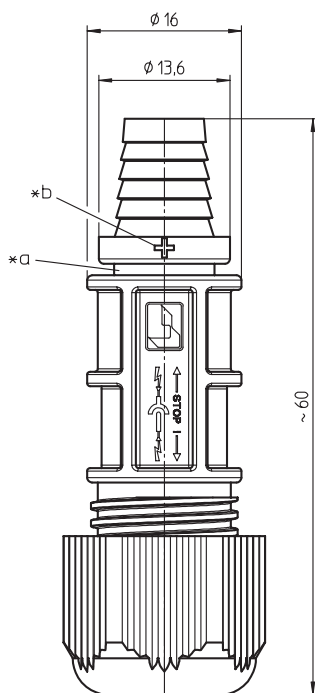
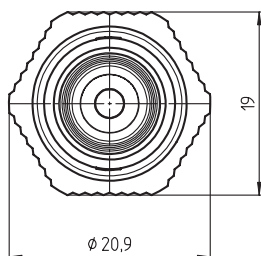
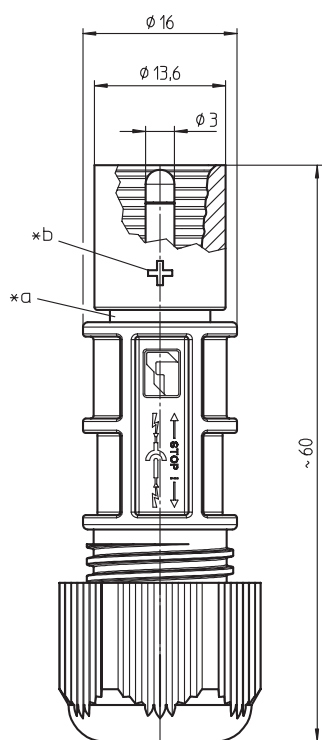




LC3-CP 30



LC3-CP 31



LC3-CP 30	(4730)
LC3-CP 31	(4731)

Photovoltaic connector, field-attachable, with crimp contact
 LC3-CP 30: plug
 LC3-CP 31: socket

1. Temperature range	-40 °C/+85 °C (+110 °C upper limit temperature)
2. Materials	Body/housing: TPU, V0 according to UL 94 halogen-free, UV-resistant Contact pin/bush: CuZn, pre-nickel and tinned Contact protection (plugs only): PA 6.6, V0 according to UL 94 Sleeve (sockets only): CuZn, nickel Cap nut: PA 6, V0 according to UL 94 Seal: NBR
3. Mechanical data	Insertion force ¹ : ≤ 60 N Withdrawal force ¹ : ≥ 65 N Mating with: photovoltaic connectors LC3 Protection degree ² : IP 67 Connectable conductors crimp terminal Section LC3-CP ... 2.5: 2.5 mm ² (AWG 14) Section LC3-CP ... 4.0: 4.0 mm ² (AWG 12) Section LC3-CP ... 6.0: 6.0 mm ² (AWG 10)
4. Electrical data (at T_{amb} 20 °C)	Contact resistance: ≤ 5.0 m Ω Rated current LC3-CP ... 2.5: 22 A at T _{amb} 85 °C Rated current LC3-CP ... 4.0: 35 A at T _{amb} 85 °C Rated current LC3-CP ... 6.0: 40 A at T _{amb} 85 °C Rated voltage ³ : 1000 V DC Overvoltage category ³ : III (8 kV) Material group ³ : I (CTI ≥ 600) Creepage distance: ≥ 12.5 mm Clearance: ≥ 12.5 mm Insulation resistance: > 10 G Ω

¹ measured with a proper counterpart

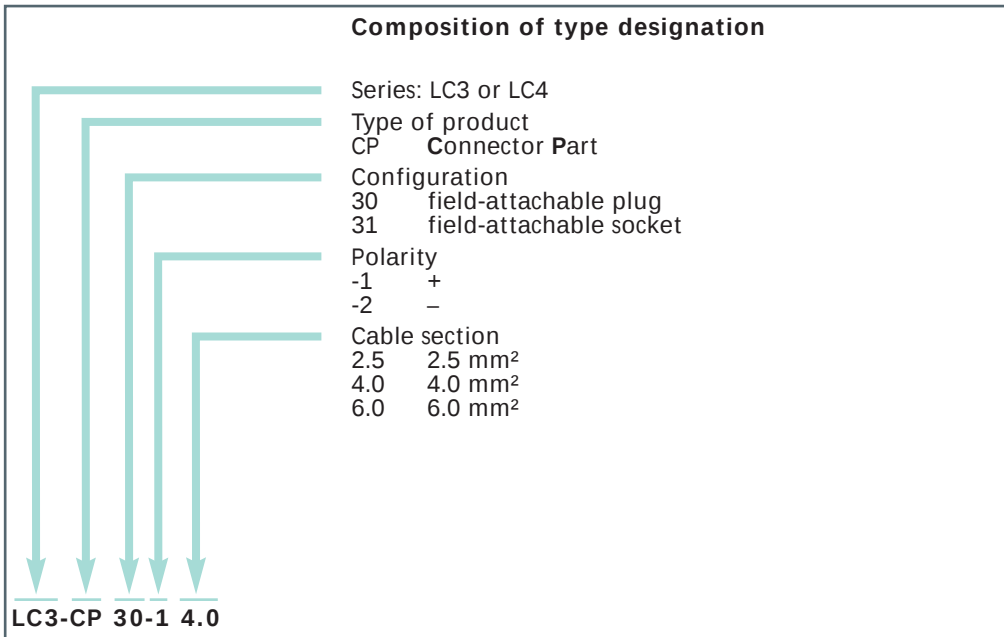
² 1 m/24 h, only in mated condition with a proper counterpart

³ IP X8 requirements under agreement between manufacturer and user according to DIN EN 60664/IEC 60664



*a recess for optional unmating preventer LC3-CX 90 according to NEC 2008 NFPA 70

*b marking + on LC3-CP ...-1, - bei LC3-CP ...-2



Features and benefits

- can be assembled anywhere on-site
- convenient for smaller installations
- complements the wiring concept with pre-assembled, overmolded connectors, like for feeding lines
- quick and easy assembly
- only one tool necessary for stripping and crimping
- easily exchangeable tool insert for different sections
- rugged and durable for permanently reliable system operation
- with contact-voltage protection
- optional locking according to NEC 2008 NFPA 70
- highest protection degree IP 68
- UV and ozone-resistant
- halogen-free

LC3®

Typical examples

Designation	Description	Polarity	Section (mm ²)
LC3-CP 30-1 2.5	field-attachable plug	+	2.5
LC3-CP 30-2 4.0	field-attachable plug	-	4.0
LC3-CP 30-1 6.0	field-attachable plug	+	6.0
LC3-CP 31-2 4.0	field-attachable socket	-	4.0

Package unit: 50 pieces in a cardboard box