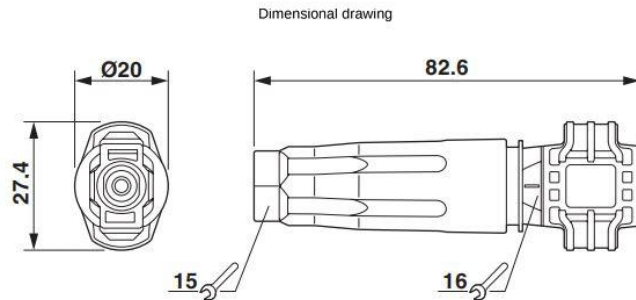


Solar connectors Sunclix / 59507 and 59508

The Sunclix PV connectors feature convenient and safe spring-cage connection technology. Plug and socket are connected simply by clicking them together. No special tool is required, not even for releasing the connection.



Technical Data:

Material:

Housing material: PPE, contact material: Cu

Contact surface material: Ag

Insulation material: PPE

Temperatures:

Ambient temperature (operation) -40 °C to +85 °C
(depending on the derating curve)

Ambient temperature (assembly) -5 °C to +50 °C

Rated voltage:

ATD 1500 V DC (III/2.00) according to IEC 62852:2014/AMD1:2020
1500 V DC according to UL 6703

Rated surge voltage:

Rated surge voltage 16 kV

Rated surge voltage (II/2) 12 kV

Rated surge voltage (III/2) 12 kV

Rated surge voltage (III/3) 16 kV

Rated current (6.0 mm²) 35 A (according to IEC 62852:2014-11)

Rated current (4.0 mm²) 30 A (according to IEC 62852:2014-11)

Rated current (2.5 mm²) 20 A (according to IEC 62852:2014-11)

30 A (according to UL 6703) / 35 A (according to UL 6703)

Rated current:

50 A (according to UL 6703)

Volume resistance 0.45 mΩ

Contact resistance = 0.45 mΩ (when mated (without cable))

Number of poles:

1

Degree of protection, mated:

IP66 / IP68 (2 m / 24 h)

Degree of protection, unmated:

IP20

Conductor cross-section:

Single conductor, cross-section 2.5 mm² 6 mm² 14 AWG 10 AWG

Stripping length of the single conductor 15 mm

Cable diameter:

5 – 8 mm

Connection type:

Spring-cage connection

Contact type:

Pin

Socket cable diameter:

min. 5 mm / max.: 8 mm

Flammability rating:

UL94 V0

Standards/ Regulations:

IEC 62852:2014/AMD1:2020