



PV Solar Straight Connectors with NEC Interlock

Specifications and Dimensions



PV Solar Straight connector part code **ERSMC4P** with plug & socket design are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays & for application in PV power generation system. This connectors incorporate a flexible water tight sealing conforming to IP68 and is supplied as 'male (plug)' & 'female (socket)' types to minimize the chance of wrong connections. For proper assembly of individual male & female connectors & for proper functioning of the mated pair, it is necessary that solar cables used are TUV certified as per standard 2Pfg 1169/EN 50618. This PV Solar Straight connectors is certified for PV solar cables 2.5, 4.0, 6.0 mm size, double insulated (Insulation plus black/red sheath) & UV protection (as UV rays tend to damage the connection).

Features:

- TUV Certified
- Snap Fit Locking Arrangement
- IP67/IP68 Protection when mated
- Low Contact Resistance
- Provides UV Protection (Tested for 500 hrs as per ISO 4892-2)
- Tested as per International Standards / IEC 62852

Description	Specification
Rated Voltage	1500V DC
Rated Current	25A (2.5 mm ²), 30A (4.0 mm ² , 6.0 mm ²)
RMS Test Voltage	8kV (1500V)
Impulse with Stand Voltage	16kV
Degree of Protection	IP 67 / IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40°C to +85°C
Max. Operating Temp.	+110°C
Pollution Degree	3
Contact Resistance	< 0.5m Ω
Insertion Force	< 50 N
Withdrawal Force	> 50 N
Locking System	Snap In



For any further comments or assistance please contact:

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