

PANEL MOUNTING PHOTOVOLTAIC CONNECTOR

PV2/3-P

FEATURE HIGHLIGHTS



PV2-P

- PV2 panel-receptacle connectors are the interface between an inverter with cable along
- Over molding technology ensures no extra enclosure are required
- Mating compatibility with PV2, PV3, PV5 series
- IP68 Protection (1h/1m)



PV3-P

- PV3 panel-receptacle connectors are the interface between an inverter or junction box or junction and a branch cable
- Mounting directly by means of screw thread or in perforated plate with locknut
- Mating compatibility with PV2, PV3, PV5 series
- Includes sealing element for enclosure
- IP68 Protection (1h/1m)

PRODUCT CERTIFICATES

- UL 6703: CSA / UL
- EN 50521: 2008+A1 TÜV



TECHNICAL SPECIFICATION

Part No.	PV2-P	PV3-P
Rated Voltage	1000V/1500V	1000V/1500V
Rated Current	30A	30A
Rated Impulse Voltage	12 kV /16kV	12 kV /16kV
Ambient Temperature Range	-40 C to 85 C	-40 C to 85 C
Upper Limiting Temperature	100 C	100 C
Degree of Protection (mated)	IP68	IP68
Degree of Protection (unmated)	IP2X	IP2X
Overvoltage Category	III	III
Safety Class	II	II
Application Class	Class A	Class A
Pollution Degree	2	2
Contact Resistance	≤0.25mΩ	≤0.35mΩ
Termination Type	Crimping	Crimping
Contact Material	Copper, T2, Tin-plated	Copper, T2, Tin-plated
Conductor Cross Section	1×4.0 mm ² , 12 AWG 1×6.0 mm ² , 10 AWG	1×4.0 mm ² , 12 AWG 1×6.0 mm ² , 10 AWG
Insulation Material	PC (1000V) PA(1500V)	PC (1000V) PA(1500V)
Cable Outer Diameter Range	6.0mm-7.6 mm	6.0mm-7.6 mm
Flammability Class	UL94 V-0	UL94 V-0
Approvals	TUV / CSA	TUV / CSA