

CONNECTOR PHOTOVOLTAIC CONNECTOR

PV2/3/5

FEATURE HIGHLIGHTS



PV2

- Over molding technology
- Dual injection structure
- Enhanced anti-impact, anti-twist and anti-aging performance
- Lower contact resistance
- Better long-term stability
- IP68 Protection (1h/1m)



PV3

- Compatible with PV2 series
- Applicable to field installation
- Available for assembly with cable diameter range 6.0mm to 7.6mm
- Complete cable assembly and assembly tool kit available
- System voltage up to 1500V
- IP68 Protection (1h/1m)



PV5

- Fully compatible with PV2/PV3 series
- Optimized push & twist tighten structure
- Safety lock clip, can be released only with tool
- Available for cable outer diameter from 6.0 mm to 7.6 mm
- Complete cable assembly and assembly tool kit available
- System voltage up to 1500V
- IP68 Protection (1h/1m)

PRODUCT CERTIFICATES

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



TECHNICAL SPECIFICATION

Part No.	PV2	PV3	PV5
Rated Voltage	1000V/1500V	1000V/1500V	1000V/1500V
Rated Current	30 A	30 A	30 A
Rated Impulse Voltage	12 kV	12 kV	16 kV
Ambient Temperature Range	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Upper Limiting Temperature	100°C	100°C	100°C
Degree of Protection (mated)	IP68	IP68	IP68
Degree of Protection (unmated)	IP2X	IP2X	IP2X
Overvoltage Category	III	III	III
Safety Class	II	II	II
Application Class	Class A	Class A	Class A
Pollution Degree	2	2	2
Contact Resistance	≤0.25mΩ	≤0.35mΩ	≤0.35mΩ
Termination Type	Crimping	Crimping	Crimping
Contact Material	Copper, T2, Tin-plated	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	1×4.0 mm ² , 12 AWG 1×6.0 mm ² , 10 AWG
Insulation Material	PC-1000V PA-1500V	PC-1000V PA-1500V	PC-1000V PA-1500V
Outer enclosure	EPTR	/	/
Cable Outer Diameter	6.0mm – 7.6 mm	6.0mm – 7.6 mm	6.0mm – 7.6 mm
Flammability Class	UL94 V-0	UL94 V-0	UL94 V-0
Approvals	TUV / CSA / UL	TUV / CSA / UL	TUV / CSA