



Introducing SOLARLOK PV4 Connector

The SOLARLOK PV4 connector is the sophisticated connectivity solution for thin-film and crystalline panel manufacturers and installers. This robust and weather-proof, IP68 compliant connector is engineered for reliable performance in demanding and harsh environments. With its audible snap-in and lock feature, the connector withstands accidental pulls without any interruptions and provides a stable and safe connection. This SOLARLOK solution, which is easy to assemble with the typical connectors and tooling in the market, offers lower contact resistance compared to our standard line and thus maximizes the total power output.

KEY FEATURES

- Lower contact resistance compared to standard line
- Conformance with NEC 2008/11 requirement
- Audible snap-in and lock mating design
- One of highest IP68 protection in its class
- Quick and easy assembly with industry application tools

APPLICATIONS

- Connection between panels
- Connection to inverter

MATERIALS

- Housing: PC
- Contact: tin copper

MECHANICAL

- Product Dimensions:
L 62.5 mm x W 24.5 mm
- Diameter: 18.7 mm (.74 inch)
- Protection Degree: IP 68 (1 m/24 hr)

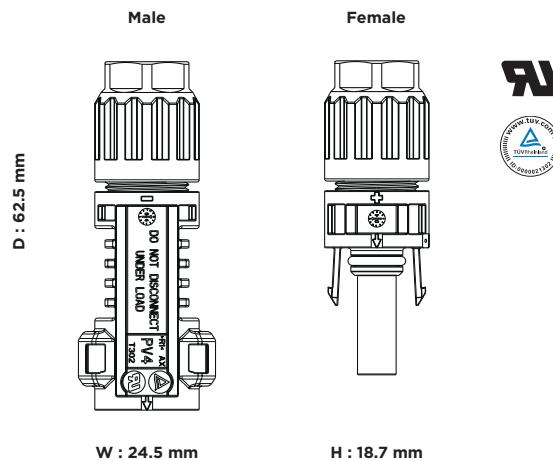
ELECTRICAL

- UL 20 A and TÜV 35 A for 4.0 mm² (at 85 °C)
- UL 30 A and TÜV 40 A for 6.0 mm² (at 85 °C)
- Rated Voltage: 600 V / 1000 V (UL); 1000 V (TÜV)
- Contact Resistant: 0.50 mΩ typical

STANDARDS AND SPECIFICATIONS

- UL approved
- TÜV approved

PRODUCT DIMENSIONS



te.com/products/solarlok-pv4

 **TE**
connectivity



Crimping Tool, PN 6-1579014-8

Field Tool - multiple functions,
PN 1971903-1

PRODUCT OFFERING

Female Cable Coupler (kit with Socket contact), Plus polarity

Gen. 4 Seal PNs	Gen. 2 Seal PNs	Package Quantity
Cable Outer Diameter	Cable Outer Diameter	
5.8 to 8.0 mm	4.5 to 6.2 mm	
1971862-1	1971862-2	1000
2-1971862-1	2-1971862-2	100

Male Cable Coupler (kit with Pin contact), Minus polarity

Gen. 4 Seal PNs	Gen. 2 Seal PNs	Package Quantity
Cable Outer Diameter	Cable Outer Diameter	
5.8 to 8.0 mm	4.5 to 6.2 mm	
1971861-1	1971861-2	1000
2-1971861-1	2-1971861-2	100

Reverse Polarity available upon request

Female Cable Coupler w/out contact, Plus polarity

Gen. 4 Seal PNs	Gen. 2 Seal PNs	Package Quantity
Cable Outer Diameter	Cable Outer Diameter	
5.8 to 8.0 mm	4.5 to 6.2 mm	
1971915-1	1971915-2	1000

Male Cable Coupler w/out contact, Minus polarity

Gen. 4 Seal PNs	Gen. 2 Seal PNs	Package Quantity
Cable Outer Diameter	Cable Outer Diameter	
5.8 to 8.0 mm	4.5 to 6.2 mm	
1971914-1	1971914-2	1000

Pin Contact, Wire size 4-6 mm² (12-10 AWG)

Part Number	Supply Condition	Package Quantity
1971857-2	On Reel	2000
1971857-3	Loose Piece	1000

Socket Contact, Wire size 4-6 mm² (12-10 AWG)

Part Number	Supply Condition	Package Quantity
1971858-2	On Reel	2000
1971858-3	Loose Piece	1000

Field Tool - multiple functions (according to NEC 2008/2012)

Part Number	Package Quantity
1971903-1	100

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