



Introducing SOLARLOK 1-rail Junction Box Assembly (No Potting Version)

The SOLARLOK 1-rail junction box is now available in a non-potted version. This new 1-rail product is designed to eliminate the need for potting 1-rail junction boxes. The product is available in a no diode version and a blocking diode version. The assembly comes with a small junction box, dual rated TE solar cable and our SOLARLOK connector system.

KEY FEATURES

- 1-rail foil termination
- Low profile in a non-potted junction box application
- Protection levels: IP 67
- Diode or no diode versions
- Simple, cost effective design
- Locking cover
- Injection-molded technology with UL-F1 rated housing materials for long life

APPLICATIONS

- For terminating foil leads from thin film modules
- Suitable for BiPV applications (building-integrated photovoltaics)

MECHANICAL

- Allows decentralization of two foil leads to be put in separate locations on the back of the PV panel
- Overall junction box size: 71 x 32 x 19 mm
- Operating and storage temperature: -40 °C to +85 °C
- Applicable cable: 4 mm² (12 AWG)
- Foil termination to the contact tab uses a spring clamp (no soldering or welding required)

ELECTRICAL

- Isc up to 25 A no diode, 3.2 A with blocking diode
- Rated system voltage: 1,000 V (TÜV), 600 V (UL)
- Includes a plus and minus assembly coming off the module
- Connectors rated at 25 A

MATERIALS

- Contact rail: copper alloy
- Base housing: PPE (polyphenylene ether)
- Lid: P.C.

SPECIFICATIONS

- Application specification # - 114-106060
- Product Specification # - 108-106060
- Instruction Sheet # - N/A
- Drawing # - 1971676

PRODUCT OFFERING

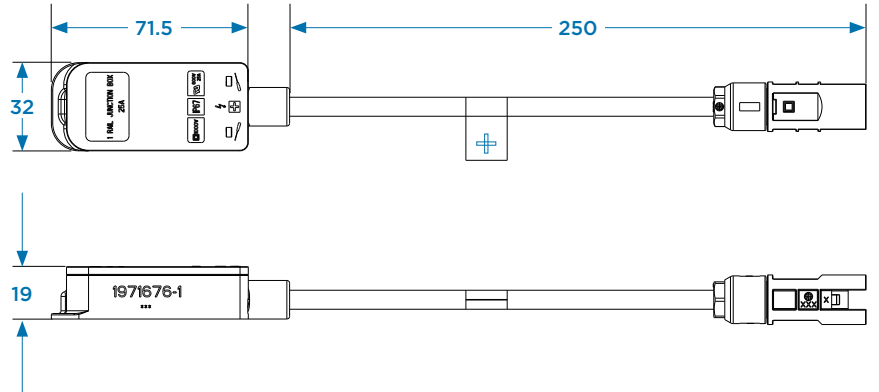
Part Number	Description
1971676-1	Assembly, plus, no diode, 4 mm ² (12 AWG)
1971676-2	Assembly, minus, no diode, 4 mm ² (12 AWG)
1971676-3	Assembly, plus, with blocking diode, 4 mm ² (12 AWG)



STANDARDS

- UL 1703 approved
- IEC 61646, pending

PRODUCT DIMENSIONS (in mm)



RECOMMENDED ADHESIVES

- Dow Corning PV-804 neutral sealant

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