



## **Introducing** SOLARLOK Slim Junction Box Assemblies

# SOLARLOK Slim Junction Box Assemblies

## KEY FEATURES

- Only 52mm in width
- Only 15.5mm in height
- Requires no potting of the inside of the junction box
- Offers different diodes to optimize diode performance
- Terminates the foil leads from the module by using a spring clamp to clamp to the contact rail inside the junction box eliminating the need for soldering or welding

## DESCRIPTION

The SOLARLOK slim junction box assembly is a 2-rail junction box with cable and SOLARLOK connectors put together as an assembly to be applied to either crystalline pv modules or thin-film pv modules.

## APPLICATIONS

Thin-film photovoltaic modules

2-rail crystalline photovoltaic modules

## ELECTRICAL

Current rating:

- 3 amp current rating available for thin-film applications
- 12 amp current rating available for crystalline applications

Withstanding voltage:

- TUV: 1000VDC
- UL: 600VDC

## MECHANICAL

Robust housing material sealed to IP67

Connectors are rated to IP67

Connectors have the latching locking feature

Junction box lid uses two latches for securing the lid to the lower box housing

Temperature rating: -40°C to +85°C

## MATERIALS

Housing: PPO material, UL UV F1 rated

Socket and Pin contacts: CuZn

Solar wire used in the cable assemblies

## APPLICATIONS AND SPECIFICATION

Product specification # 114-106002

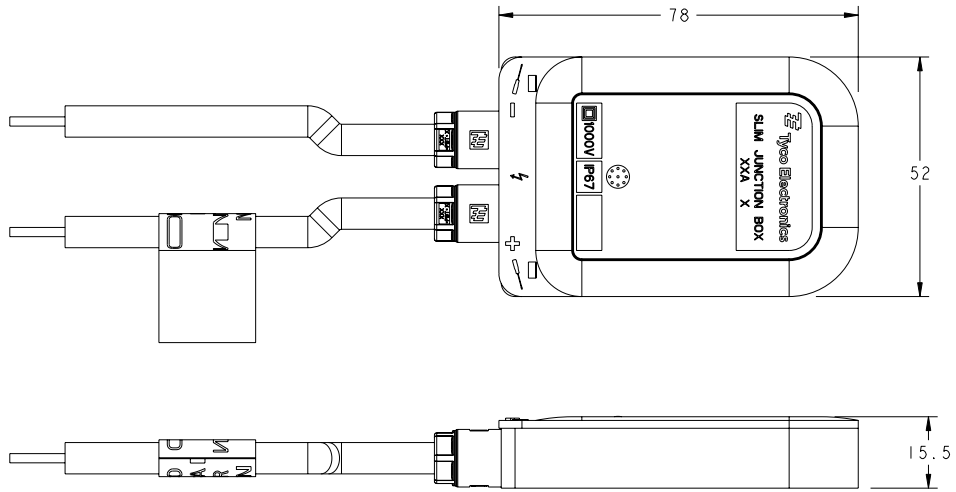
Application specification #108-106024

Meets: DIN VDE V 0126-3-2006, DIN V VDE V 0126-5-2008

UL 1741: Component recognition pending

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## PRODUCT DIMENSIONS



## PRODUCT OFFERING

Part Number	Contact Rails	Diodes	Rated Current	Cable Length	Wire Size
1971158-1	2	1	12 amp	600 mm	2.5 mm
1971158-2	2	1	3 amp	600 mm	2.5 mm

## FOR MORE INFORMATION

[www.tycoelectronics.com/solar](http://www.tycoelectronics.com/solar)

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