

Introducing
SOLARLOK 5-String Combiner Box

The SOLARLOK combiner box assembly is used to combine up to five strings in a preterminated connectorized weather-resistant enclosure to meet National Electric Code (NEC) requirements for series fusing of photovoltaic (PV) modules (solar panels).

The combiner box assembly consists of a box, cover (with hinges), transparent dead front lid (under the cover), and 10 pre-terminated SOLARLOK connectors each with a removable dust cover. The box features 4 knockouts (for output wiring), lock tab, mounting slots and pre-wired grounding bolt.

The interior of the box has 5 fuse holder blocks pre-wired to the positive SOLARLOK connectors, 5 terminal blocks pre-wired to the negative SOLARLOK connectors, and an equipment terminal block used to ground the equipment. Fuses are not included.

TE connectivity

SOLARLOK 5-String Combiner Box



KEY FEATURES

- Pre-wired in the factory
- Pre-loaded with SOLARLOK polarized male housings, which accept plug & play female housings, for faster installation and quick-connect/disconnect
- Listed to UL 1741
- Provides 4 knockouts to give the installer a choice of mounting directions
- Provides a ground bolt option to run an equipment ground

APPLICATIONS

The combiner box can be used with up to 5 strings from the solar array.

MECHANICAL

The combiner box is IP65/NEMA 3 rated for environmental protection.

A tool is required to open the lid meeting NEC code requirements.

ELECTRICAL

Maximum Output Current : 75 A

Maximum Voltage : 600 V DC

Maximum Current Per String : 15A

Output Wire Size : 14-4 AWG

The ground bolt is UL Recognized for 6 AWG – 12 AWG ground wire

MATERIALS

The combiner box is made from UL F1 rated polycarbonate material.

SPECIFICATIONS

Product Specification # : **108-2390**

Instruction Sheet # : **408-10271**

PRODUCT OFFERING

Part Number : **1954283-1**

Transition Box : **2106916-1**

PRODUCT DIMENSION

Customer Drawing : **1954283**

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