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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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.

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

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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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