

Introducing
SOLARLOK Residential 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 clip.

The interior of the box holds 5 holder fuse 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.

Tyco Electronics

Our commitment. Your advantage.

SOLARLOK Residential 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
- UL Listed
- Provides 4 knockouts to give the installer a choice of mounting directions
- Provides a ground bolt option to run a system ground

APPLICATIONS

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

MECHANICAL

- The combiner box is IP65/NEMA4X 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

Maximum Current Per String : 15A

Maximum 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**

Tyco Electronics
Technical Support Center

USA:	+1 (800) 522-6752
Canada:	+1 (905) 470-4425
Central America & Mexico	+52 (0) 55-1106-0814
South America:	+55 (0) 11-2103-6000
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

Tyco Electronics Corporation
Berwyn, PA

te.com

© 2010 Tyco Electronics Corporation. All Rights Reserved.

5-1773457-5 CIS FP 3M 12/2010

SOLARLOK, TE (logo) and Tyco Electronics are trademarks of the Tyco Electronics group of companies and its licensors. Other logos, products and company names mentioned herein may be trademarks of their respective owners.

Tyco Electronics

Our commitment. Your advantage.

While Tyco Electronics has made every reasonable effort to ensure the accuracy of the information in this brochure, Tyco Electronics does not guarantee that it is error-free, nor does Tyco Electronics make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. Tyco Electronics reserves the right to make any adjustments to the information contained herein at any time without notice. Tyco Electronics expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult Tyco Electronics for the latest dimensions and design specifications.