



General Information

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|--------------------------|---|
| Kit Part Number: | 2110844-5 |
| Description: | 12 and 10 AWG Female Minus Keyed Coupler and Male Neutral Keyed Coupler with ground clip, Ground Bolt and Locking Collar Connector Accessory Kit |
| Industry: | Alternative Energy |
| Application: | Approved for field termination, Connectivity Systems for PV Installers, Keyed Housing Provide Mating and System Safety, PV Cable, Solar |
| Family: | SOLARLOK |
| TE Brand: | TYCO ELECTRONICS Products |
| Solution: | Solar Energy |
| Product Type: | Wire-to-Wire Connectors |
| Number of Pieces: | 133 |
| RoHS: | Yes |

Specifications

| | |
|--------------------------|--------------------------------|
| Contacts: | Fully Shrouded High Cycle Life |
| Current Rating: | 25A |
| Tool Included: | No |
| Voltage Rating: | 600V |
| Wire Gauge (AWG): | 10, 12 |

Product Highlights

The SOLARLOK male and female cable coupler was designed for high voltage and high current-carrying capacity in addition to the well established IP 67 sealing requirement in the photovoltaic industry. Mating safety is provided by polarity keyed housings, fully shrouded high cycle life contacts and a squeeze to release connection system. In addition fulfillment of worldwide standards for photovoltaic connection systems complement the robust product specification.

Features and Benefits

- This hardware only kit (No Tool) has both Bolt and Clip grounding solutions
- Designed with a simple wire crimp, these latching connectors accommodate a wide range of wire sizes for a low applied cost
- Polarity keyed housing helps to prevent mismatching
- UL approved
- The SOLARLOK hand crimping tool contains precision dies and ratcheting handles to help ensure repeatable crimp performance
- The SOLARLOK locking collar is required by NEC 2008, Article 690.33(c). A small flathead screwdriver is used to remove the collar from the mated connectors to achieve the required tooled extraction
- Current carrying capacity up to 25 Amps
- Operating temperature range of -40°C to 110°C
- UL and TÜV approved - UL File E 226440/TÜV 0000021303

Applications

- Approved for field termination
- Keyed housings provide mating and system safety
- Housing is rated for 50 mating cycles
- Accommodates 12 and 10 AWG PV cable



Bill of Materials


| Part No. | Qty In Kit | Description | Datasheet | P/N Details | Search Distributors Inventory |
|-----------------------------|------------|------------------------------------|---------------------------|-------------------------|-------------------------------|
| 4-1394462-9 | 5 | Female Minus Keyed Coupler | Datasheet | Details | Search |
| 7-1394461-2 | 5 | Male Neutral Keyed Coupler | Datasheet | Details | Search |
| 6-1394462-4 | 5 | 10 AWG Female Minus Keyed Coupler | Datasheet | Details | Search |
| 7-1394461-5 | 5 | 10 AWG Male Neutral Keyed Coupler | Datasheet | Details | Search |
| 2058729-1 | 50 | Grounding Clamp | Datasheet | Details | Search |
| 1954381-1 | 50 | Grounding Clip | Datasheet | Details | Search |
| CL3803-000 | 2 | Solar Disconnect Label | | Details | Search |
| CL3804-000 | 2 | Warning Dual Power Sources Label | | Details | Search |
| CL3805-000 | 2 | Warning - Electric Shock Hazard | | Details | Search |
| CL3806-000 | 2 | DC Disconnect Label | | Details | Search |
| 2106207-1 | 5 | Locking Collar Connector Accessory | Datasheet | Details | Search |

Recommended Tool

| Part No. | Included in Kit |
|-----------------------------|-----------------|
| 1-1579004-2 | No |








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Kit Part No: **2110844-5**

BILL OF MATERIALS To re-order this kit please visit www.products.kits.com/buy/2110844-5

| Quant Part No | TE Part No | Qty | Revisions | Description |
|----------------------|-------------|-----|-----------|---------------------------------------|
| | 7-1304463-2 | 5 | 3 | 12 AWG Male Weather Keyed Coupler |
| | 4-1304462-5 | 5 | 2 | 12 AWG Female Weather Keyed Coupler |
| | 7-1304463-8 | 6 | 3 | 30 AWG Male weather keyed connector |
| | 6-1304462-4 | 5 | 4 | 30 AWG Female weather keyed coupler |
| | 2306207-1 | 5 | 4 | Latching Solenoid Connector Assy Assy |
| SOL-SD-204076-4-0-5 | CL3883-008 | 2 | 5 | Solar Disconnect Label |
| SOL-DPS-204076-4-0-5 | CL3884-008 | 2 | 5 | Warning Dual Power Sources Label |
| SOL-ESB-204076-4-0-5 | CL3885-008 | 2 | 6 | Warning - Electric Shock Hazard |
| SOL-DSD-204108-4-0-5 | CL3886-008 | 2 | 5 | DC Disconnect Label |
| | 2068724-1 | 30 | 6 | Ground Bolt |
| | 2654163-1 | 30 | 7 | Ground Clip |



Bin Diagram
This edge to hinge

Additional kits available at www.products.kits.com or contact a TE Connectivity authorized distributor. Assembled by Waldom Electronics in the USA





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TE connectivity Authorized Distributor

Kit Part No. **2110844-5**

SOLARLOK Photovoltaic Balance of System Products Connector Kit

12 and 10 AWG Female Minus Keyed Coupler and Male Neutral Keyed Coupler with Ground Clip, Ground Bolt and Locking Collar Connector Accessory

- NEC 2008 Compliant
- Photovoltaic Module Installations
- IP 67 Sealing
- Fully Shrouded Silver Plated Contacts
- 25 Amps, 600 Volts

Additional kits available at: www.productkits.com

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DANGER: Failure to follow all instructions in Application Specification 134-38468-1 and 134-38305-3 (available at www.te.com/resources), including using only approved TE tooling (if applicable), can result in improper installation and/or crimping which is dangerous and may cause or contribute to electrical fires. Should be used only by individuals with proper training and experience.

133
pieces



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Product from TE Connectivity.
Kits designed and assembled
by Waldom Electronics.