



General Information

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







Alternative Energy Industry

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BILL OF MATERIALS

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

Kit 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-DI-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-ES-8-204076-4-0-5	CL3885-008	2	8	Warning - Electric Shock Hazard
SOL-DSD-204108-4-0-5	CL3886-008	2	5	DC Disconnect Label
	2068724-1	30	8	Ground Bolt
	2654183-1	30	7	Ground Clip

1	2
3	4
5	6
7	

Bln 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





Alternative Energy Industry

TE connectivity Authorized Distributor

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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 134-38488-1 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.