

3M™ Scotchlok™

Moisture Resistant Self-Stripping Electrical Spring Connector 316IR

Data Sheet

November 2010

Applications	3M™ Scotchlok™ Electrical Spring Connector 316IR is used to electrically connect two or three wire ends, insulate the connection and provide a moisture-resistant seal without stripping of the wires.			
Agency Approvals, Self Certifications, Mil Specs	Meets requirements of: UL Listed, Standard 486C, UL File E23438			
Wire Range	22-16 AWG solid or stranded copper conductors with a maximum insulation diameter of .160 inches			
Construction	U-Contact:	Tin-plated brass, .02 in. (0,5 mm) thick		
	Insulator:	Flame-retardant nylon		
	Color:	Black cap -White body		
	Sealant:	Mineral Oil Base EG-3 grease		
Specifications	Voltage Rating:	600 volts maximum		
	Temperature Rating:	105 Deg C (221 Deg F)		
	Weight:	.0077 lbs (3.49 gm)		
Engineering/ Architect Specification	A UL Listed self-stripping electrical connector for connecting two or three conductors in the range of 22 through 16 AWG solid or stranded copper conductors with a maximum insulation diameter of .160 inches			
Federal Specification W-S610:	"Commercial package only"			
	<u>Type</u>	<u>Class</u>	<u>Kind</u>	<u>Style</u>
	1	1	cu	G
Recommended Installation Tools	3M™ Crimping Tool E-9BM 8" Mechanics (slip joint) pliers			

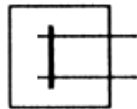
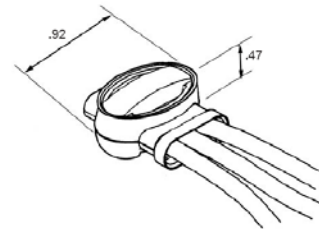
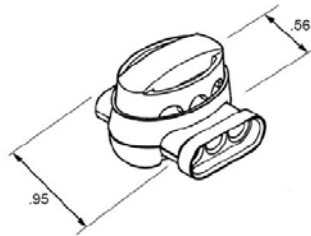
3M™ Scotchlok™ Moisture Resistant Self-Stripping Electrical Spring Connector 316IR

Installation Technique

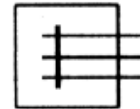
WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

1. Insert 2 or 3 un-stripped conductors completely into connector and check their position by looking through the translucent body.
2. Hold toll perpendicular to the conductors and make the connection by driving the cap down flush with the top edge of the connector body.



Parallel Connection



Tap/Run Connection

Shelf Life & Storage 3M™ Scotchlok™ Electrical Spring Connector 316IR has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

Availability Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

Important Notice All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

3M and Scotchlok are trademarks of 3M Company.



Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

Please recycle
© 3M 2010 All rights reserved
78-8126-5924-7 C