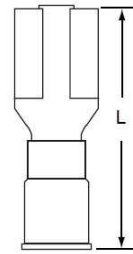


3M™ Specialty Terminals

71F-187-20-P, 72F-187-20-P
Female Disconnect, Vinyl Insulated
Butted Seam



Data Sheet

January 2017

Product Number	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71F-187-20-P	22-18	0.187 x 0.020	0.78	0.25	0.085	0.145
72F-187-20-P	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145

Agency Approvals and Self Certifications

UL Standard No. 310, 3M File No. E70512

CSA Standard No. 22.2, 3M File No. LR22190

Specifications

Max. Voltage Rating:	600 V Building Wire 1000 V Signs, Fixtures (Luminaires)
Max. Operating Temp:	221°F (105°C)
Max. Current:	Same as Wire
Wire Size	See Table above
Barrel Seam:	Butted
Insulator Material:	Vinyl
Terminal Material:	Brass
Plating:	Tin

Installation Information

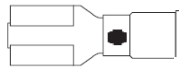
WARNING

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

UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M Scotchlok™ Crimp Tool: TH-440 or TH-450 (scissor style) hand tools.



 Barrel Crimp (Electrical)

Suitable for factory installation on steel or brass tabs, UL and CSA.

Suitable for field application on brass tabs, strain relief is required, UL only.

Engineering Specification

Crimp-Type Female Disconnect shall, electrically and mechanically, connect permanently to the prestripped end of a stranded copper wire: and have a tongue portion which grip a Male Disconnect in a separable, reusable manner, forming a Quick Connect Wiring Termination.

The connector line shall offer tongue variations (sized to grip male tabs 0.250" x 0.032" or 0.187" x 0.020" per ANSI/NEMA CD-2) and construction, non- insulated, nylon insulated with insulation grip, nylon fully insulated, etc. The Female Disconnects shall have regulatory agency coverage, UL Listing, CSA Certification. The tongue portion shall be marked with the wire range and manufacturer's symbol (↑).

Insulated connectors shall be UL Listed and CSA Certified for 600 V building wire: 1000 V signs or lighting fixtures (luminaires) and temperature rated 221°F (105°C) maximum.

Female Disconnects shall be suitable for field or factory wiring, with a UL Recognized strain relief required.

Shelf Life & Storage	3M Specialty Terminals have 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 1-800-472-1190.

3M and Scotchlok are trademarks of 3M Company.

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 direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

3M

Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800 472.1190
FAX: 800.262.6329
www.3M.com/electrical

Please recycle
© 3M 2017 All rights reserved
78-8126-5531-0 Rev B