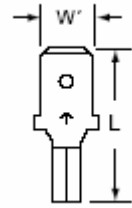




Scotchlok™ Terminals

MU18-187DM, MU14-187DM

Male Disconnect, Non-Insulated, Butted Seam



Data Sheet **November, 2007**

Product Number	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.
MU18-187DM	22-18	0.187 X 0.20	0.64	0.24	0.080
Mu14-187DM	16-14	0.187 x 0.20	0.64	0.24	0.080

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted
Maximum Current:	Same as Wire
Terminal Material:	ETP Copper
Terminal Plating:	Tin

Regulatory Agencies



UL Listed as a Wire Connector, tested per UL Standard 310, UL File No. E70512.

Maximum Voltage Rating: 600 volts max building wire
1000 volts max signs and fixtures

CSA Certified – CSA Standard 22.2, No. 153, CSA File No. LR 22190.

Maximum Voltage Rating: 600 volts max building wire
1000 volts max signs and fixtures

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 of wire insulation 3/8 inch of wire insulation

Make the crimp the proper station of a recommended 3M™ Crimp Tool: TH-440, TH-450 (scissor style), or TR-490 (ratchet style) hand tools.



Barrel Crimp (Required)

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

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

Engineering Specification

Crimp-Type Male Quick Disconnect shall, electrically and mechanically, connect permanently to a pre-stripped stranded copper wire and have a flat rectangular tongue portion for mating to a Female Quick Disconnect in a separable, reusable manner, forming a Quick Connect Wiring Connection.

The connector line shall offer tongue variations (size 0.250 x 0.032 or 0.817 x 0.020 per ANSI/NEMA DC-2) and barrel variations in wire size 22-18 AWG, 16-14 AWG, 12-10 AWG and construction of non-insulated vinyl insulated, nylon fully insulated, etc.

The Quick Disconnect shall have regulatory agency coverage (UL Listing, CSA Certification). The tongue shall be marked with the wire range and the manufacturer's symbol. (↑).

The Male Quick Disconnect shall be tin plated 0.020" thick copper, with a 0.187" blade conforming to ANSI/NEMA DC-2 dimensions and a 0.24" long barrel and sized for a specified (AWG) wire range (22-28, 16-14).

Insulated connectors shall by UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum, signs and fixtures (luminaires).

Quick Disconnect connectors shall be suitable for field or factory wiring, with a UL Recognized strain relief required.

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 for a period of one (1) year from 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.

3M
Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800/245-3573
FAX 800-245-0329

Please recycle. Printed in U.S.A.
© 3M 2007 All rights reserved.
78-8125-9878-3_B