



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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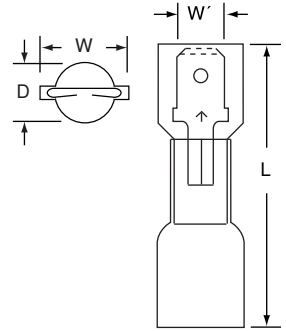
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Scotchlok™ Terminals

MNHU18-250DMI thru MNHU10-250DMI
Male Disconnect, Nylon Fully Insulated,
Heatshrink Insulated, Butted Seam



Data Sheet

Product Number	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.
MNHU18-250DMI	22-18	0.250 x 0.032	1.2	0.44	0.30	0.25	0.065
MNHU14-250DMI	16-14	0.250 x 0.032	1.2	0.44	0.30	0.25	0.085
MNHU10-250DMI	12-10	0.250 x 0.032	1.2	0.47	0.39	0.25	0.150

Specifications

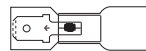
Wire Size: See Table Above
 Barrel Seam: Butted
 Maximum Voltage Rating: 600 V Building Wire
 1000 V Signs or Fixtures (Luminaires)
 Maximum Temperature Rating: 221°F (105°C)
 Maximum Current: Same as Wire
 Insulator Material: Nylon/Adhesive lined Polyolefin, TMW
 Terminal Material: ETP Copper
 Plating: Tin

Installation Information

⚠ WARNING

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

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™ crimp tool: TH-440, TH-450 (scissor style) hand tools.



Barrel Crimp (Required)

Shrink tubing using a heat gun. Heat until tubing is completely shrunk and adhesive protrudes slightly from the tubing.

Engineering Specification

Crimp-Type Male Quick Disconnect Terminals shall, electrically and mechanically connect permanently to a prestripped end of a stranded copper wire and, have a flat 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 a tongue variations (size 0.250 x 0.032 or 0.187 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 nylon fully insulated plus polyolefin heatshrink material.

The tongue shall be marked with the wire range and the manufacturer's symbol.(↑)

The Nylon Fully Insulated Male Quick Disconnect with adhesive lined polyolefin shall be tin plated .032" thick copper, with a 0.250" wide blade conforming to ANSI/NEMA DC-2 dimensions and a 0.25" long barrel. The terminal shall be covered by a molded nylon funnel entry sleeve which extends to cover the tongue, and preapplied heat shrink tubing color coded, and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

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IMPORTANT NOTICE

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.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date 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 loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

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