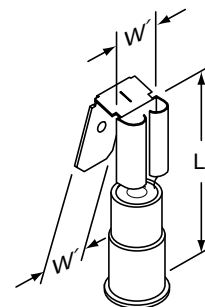




# Scotchlok™ Terminals

MVU18-250DMF, MVU14-250DMF

Multi-Stack Disconnect, Vinyl Insulated, Butted Seam



## Data Sheet

| Product Number | Range (AWG) | Mates with Male Tab Width (W') x Thickness | L    | Barrel Length | Barrel I.D. | Maximum Insulation Diameter |
|----------------|-------------|--------------------------------------------|------|---------------|-------------|-----------------------------|
| MVU18-250DMF   | 22-18       | 0.250 x 0.032                              | 0.87 | 0.23          | 0.070       | 0.145                       |
| MVU14-250DMF   | 16-14       | 0.250 x 0.032                              | 0.87 | 0.23          | 0.090       | 0.170                       |

## Specifications

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Wire Size:              | See Table Above                               |
| Barrel Seam:            | Butted                                        |
| Maximum Voltage Rating: | 600 V Building Wire<br>1000 V sign or fixture |
| Maximum Operating Temp: | 221°F (105°C)                                 |
| Maximum Current:        | Same as Wire                                  |
| 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.

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), or TR-490 (ratchet style) hand tools.



 Barrel Crimp (Required)

## Engineering Specification

Crimp-Type Multi-Stack Disconnects shall, electrically and mechanically, connect permanently to a prestripped end of a stranded copper wire and, have a tongue portion with fingers which grip a Male Quick-Slide and a tongue extension to be gripped by a Female Quick-Slide, in a separable, reusable manner, thus forming a Quick Connect Wiring Termination. The Multi-Stack Disconnect line shall offer variations in separable connections: Male Quick-Slide (0.250" wide), Female Quick-Slide (0.250" wide) and barrel variations in wire (AWG) size (22-18, 16-14) and construction (vinyl insulated and nylon insulated with insulation grip). The tongue shall be marked with the wire range.

The vinyl insulated Multi-Stack Disconnect shall be tin plated 0.016" thick brass, with a tongue formed to grip a 0.250" Male Tab and be gripped by a Female Quick-Slide with a 0.23" long barrel fastened securely to a tin plated brass insulation grip, covered by a molded nylon sleeve, color coded and sized for a specified (AWG) wire size.

The Separable Connection formed by the Multi-Stack Disconnect and the mating connector(s) may require a suitable strain relief to prevent accidental separation.

3M and Scotchlok are trademarks of 3M

### 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.**



### Electrical Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
800 245 3573  
<http://www.3M.com/elpd>

Litho in USA.  
© 3M 2002 78-8125-9787-6-A