

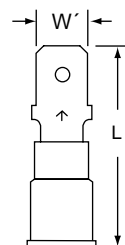


# Scotchlok™ Terminals

MVU18-250DM, MVU14-250DM,

MVU10-250DM

Male Disconnect, Vinyl Insulated, Butted Seam



## Data Sheet

Product Number	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MVU18-250DM	22-18	0.250 x 0.032	0.93	0.25	0.065	0.145
MVU14-250DM	16-14	0.250 x 0.032	0.93	0.25	0.085	0.170
MVU10-250DM	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250



UNDERWRITERS  
LABORATORIES  
STANDARD NO. UL 310  
3M FILE NO. E70512



CANADIAN STANDARDS  
ASSOCIATION  
STANDARD NO. C22.2  
NO. 153  
3M FILE NO. LR22190

## 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 crimp tool: TH-440, TH-450 (scissor style) hand tools, or TR-490 (ratchet style) hand tools.

## Specifications

Wire Size:  
Barrel Seam:  
Max. Voltage Rating:

See Table Above  
Butted  
600 V Building Wire  
1000 V Signs or  
Fixtures (Luminaires)

Max. Temperature Rating:  
Max. Current:  
Insulator Material:  
Terminal Material:  
Plating:

221°F (105°C)  
Same as Wire  
Vinyl  
ETP Copper  
Tin



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-Slide Connectors shall, electrically and mechanically connect permanently to the prestripped end of a stranded copper wire and, have a flat rectangular tongue portion for mating to a Female 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 0.187 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 non-insulated, vinyl insulated nylon fully insulated, etc.

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

The Vinyl Insulated 0.250" Male Disconnect shall be tin plated 0.032" thick copper, with a 0.250" blade conforming to ANSI/NEMA DC-2 dimension and a 0.25" long barrel with a molded vinyl sleeve, color coded, and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

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

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

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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.

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