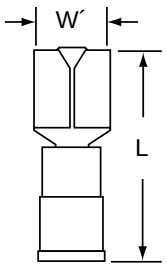
Scotchlok™ Terminals

MVI18-250DF, MVI14-250DF, MVI10-250DF

Female Disconnect, Vinyl Insulated, Interlock Barrel



Data Sheet

Product Number	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MVI18-250DF	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145
MVI14-250DF	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145
MVI10-250DF	12-10	0.250 x 0.032	0.95	0.25	0.128	0.250

UNDERWRITERS LABORATORIES
STANDARD NO. UL 486C
3M FILE NO. E70512

CANADIAN STANDARDS ASSOCIATION
STANDARD NO. 22.2
NO. 0, 65
3M FILE NO. LR22190

Specifications

Wire Size:	See Table Above
Barrel Seam:	Interlock
Maximum Voltage Rating:	600 V Building Wire 1000 V signs or fixtures (Luminaires)
Maximum Current:	Same as Wire
Insulator Material:	Vinyl
Terminal Material:	Brass
Plating:	Tin

Installation Information

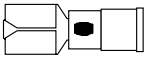
⚠WARNING

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

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), or TR-490 (ratchet 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 Terminals 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 Disconnect in a separable, reusable manner, forming a Quick Connect Wiring Termination.

The connector line shall offer variations (sized to secure Male Tabs: 0.250″ x 0.032″ or 0.187″ x 0.020″ per ANSI/NEMA CD-2) and barrel variations in wire (AWG) size (22-18, 16-14, 12-10) and construction (non-insulated, vinyl insulated, nylon fully insulated, etc.). The tongue portion shall be marked with the wire range and manufacturer's name or trade mark (↑).

The Vinyl Insulated 0.250″ x 0.032″ Female Quick-Slide with interlocking barrel shall be tin plated 0.020″ thick brass with a tongue for gripping a 0.250″ x 0.032″ male tab per ANSI/NEMA CD-2 and a 0.25″ long barrel covered by 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 V building wire: 1000 V signs or lighting fixtures (luminaires) and temperature rated 221˚F (105˚C) maximum.

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