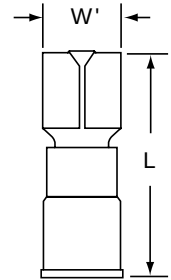




Scotchlok™ Terminals

MVI18-187DF, MVI14-187DF

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
MVI18-187DF	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145
MVI14-187DF	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145



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



CANADIAN STANDARDS
ASSOCIATION
STANDARD NO. 22.2
NO. 0, 65
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), or TR-490 (ratchet style) hand tools.



 Barrel Crimp (Electrical)

Specifications

Wire Size:
Barrel Seam:
Maximum Voltage Rating:

See Table Above
Interlock
600V Building Wire
1000 V Signs or
Fixtures (Luminaires)
221°F, (105°C)
Same as Wire
Vinyl
Brass
Tin

Maximum Operating Temp:
Maximum Current:
Insulator Material:
Terminal Material:
Plating:

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 the 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 symbol (↑).

The Vinyl Insulated 0.187" x 0.020" Female Quick-Slide with interlocking barrel shall be tin plated 0.020" thick brass with a tongue for gripping 0.187" x 0.020" 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).

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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Electrical Products Division

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

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