



**Distributor of 3M: Excellent Integrated System Limited**

Datasheet of MVI10-250DFK - Connector Quick Connect Receptacle 10-12 AWG 0.250"  
(6.35mm) Crimp

Contact us: [sales@integrated-circuit.com](mailto:sales@integrated-circuit.com) Website: [www.integrated-circuit.com](http://www.integrated-circuit.com)

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## **Excellent Integrated System Limited**

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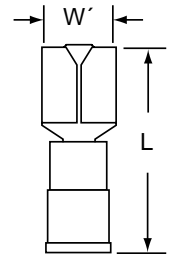
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# Scotchlok™ Terminals

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

## Installation Information

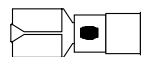
**⚠ WARNING**

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  
 600 V Building Wire  
 1000 V signs or fixtures (Luminaires)  
 Same as Wire  
 Vinyl  
 Brass  
 Tin

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 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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## 3M

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