



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

Datasheet of MNI10-250DFIK - 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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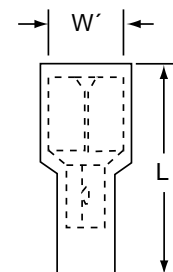
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# Scotchlok™ Terminals

MNI18-250DFI, MNI14-250DFI,  
MNI10-250DFI

Female Disconnect, Interlock Barrel,  
Nylon Fully Insulated



## Data Sheet

Product Number	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MNI18-250DFI	22-18	0.250 x 0.032	0.91	0.25	0.076	0.145
MNI14-250DFI	16-14	0.250 x 0.032	0.91	0.25	0.076	0.145
MNI10-250DFI	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250



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



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

## Specifications

Wire Size:  
Barrel Seam:  
Maximum Voltage Rating:

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

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



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 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 tongue variations (sized to 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 female disconnect shall have regulatory agency coverage (UL Listed, CSA Certification). The tongue portion shall be marked with the wire range and manufacturer's symbol (↑).


The Nylon Fully Insulated 0.250" Female Disconnect 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 nylon sleeve, which extends to cover the tongue, 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.

Female Disconnects 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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