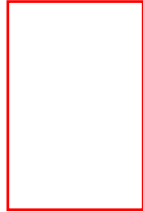


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 [Printer-friendly format](#) **3M™ Scotchlok™ Nylon Fully Ins. Butted Seam Female Disconnect w/Interlocking Barrel MNI10-250DFIK, 12-10 AWG**



This terminal has a wire range of 12-10 AWG and has case quantities of 1000 per case.

[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 69573 8
3M Id : 80-6105-3131-3

Additional Information

The disconnects are attached to mating part by tongue of female part slipping over male tab. The use of dents and rolled edges on female part provides excellent holding force while allowing easy and quick disconnect.

Learn More . . .

- [Packaging Data](#)
- [Female Disconnects - Nylon Fully Insulated Interlock Barrel - Product Selection Guide \(PDF 15.8 K\)](#)
- [Scotchlok Terminals MNI18-250DFI, MNI14-250DFI, MNI10-2 - Data Sheet \(PDF 26.4 K\)](#)
- [Terminal Stud Size Chart - Product Selection Guide \(PDF 5.2 K\)](#)

Please Note:
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◦ **Other Tools**

- What's New
- Sales Contacts
- U.S. Distributors

Characteristics

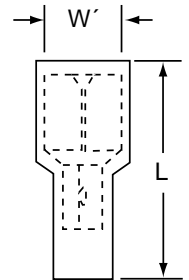
Agency Approvals	UL and CSA
Barrel Style	Interlocking Barrel
China RoHS - Below MCV	Yes
CSA File Number	LR22190

EU RoHS Compliant	Yes
Fastener Orientation	Female
Insulation Material	Nylon
Pad Width	0.250 Inch
Terminal Style	Fully Insulated
Terminal Type	Disconnect
UL File Number	E70512
Wire Gauge Range	10 to 12 American Wire Gauge (AWG)



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:

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

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

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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