

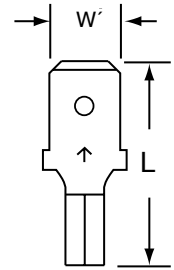


Data Sheet

3M Specialty Terminals

TNIMS-R, TNIMS-B, TNIMS-Y

Male Disconnect, Non-Insulated, Butted Seam



Product Number	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.
TNIMS-R	22-18	0.250 x 0.032	0.73	0.25	0.065
TNIMS-B	16-14	0.250 x 0.032	0.73	0.25	0.085
TNIMS-Y	12-10	0.250 x 0.032	0.75	0.25	0.150



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



CANADIAN STANDARDS
ASSOCIATION
STANDARD NO. C22.2
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.



 Barrel Crimp (Required)

Specifications

Wire Size:
Barrel Seam:
Maximum Voltage Rating:

See Table Above
Butted
600 V Building Wire
1000 V Signs or
Fixtures (Luminaires)
Same as Wire
ETP Copper
Tin

Maximum Current:
Terminal Material:
Plating:

Suitable for factory application on steel or brass tabs UL or CSA.

Suitable for field application on brass tabs, strain relief required, UL only.

Engineering Specification

Crimp-Type Male Quick Disconnect shall, electrically and mechanically connect permanently to a prestripped end of a stranded copper wire and, have a flat rectangular tongue portion for mating to a Female Quick Disconnect in a separable, reusable manner, forming a Quick Connect Wiring Connection.

The connector line shall offer tongue variations (size 0.250 x 0.032 or 0.187 x 0.020 per ANSI/NEMA DC-2) and barrel variations in wire size 22-18 AWG, 16-14 AWG, 12-10 AWG and construction of non-insulated, vinyl insulated, nylon fully insulated, etc.

The Quick Disconnect shall have regulatory agency coverage (UL Listing, CSA Certification). The tongue shall be marked with the wire range and the manufacturer's symbol (↑).

The Male Quick Disconnect shall be tin plated 0.032" thick copper, with a 0.250" blade conforming to ANSI/NEMA DC-2 dimensions and a 0.25" long barrel and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Connectors shall be UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum, signs and fixtures (luminaires).

Quick Disconnect connectors shall be suitable for field or factory wiring, with a UL Recognized strain relief required.

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