

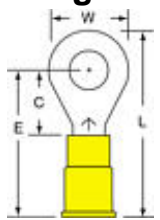
Solutions for Electronic Specialty Markets (ESM)

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3M™ Scotchlok™ Vinyl Insulated Brazed Seam Ring Tongue Terminal MV10-14R/SX, Stud Size 1/4



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

This terminal has a wire range of 12-10 AWG and a stud size of 1/4. It comes in quantities of 50 per carton and 500 per case.

GTIN(UPC/EAN) : 0 00 54007 23367 1
3M Id : 80-6100-0176-2

Additional Information

A ring is the standard style of tongue. The safest and most reliable; it cannot be removed unless mounting screw is removed.

Learn More . . .

- [Packaging Data](#)
- [Ring Tongues - Vinyl Insulated Brazed Seam 12-10 AWG - Product Selection Guide \(PDF 21.1 K\)](#)
- [Scotchlok Crimp-Type Terminals MV10-4R/S THRU MV10-12R - Data Sheet \(PDF 70.2 K\)](#)
- [Terminal Stud Size Chart - Product Selection Guide \(PDF 5.2 K\)](#)

Please Note:
Adobe® Acrobat® Reader is required to view PDF documents.



Other Tools

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

Characteristics

| | |
|-------------------------------|------------|
| Agency Approvals | UL and CSA |
| Barrel Style | Brazed |
| China RoHS - Below MCV | No |
| CSA File Number | LR22190 |

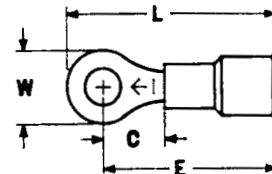
| | |
|----------------------------|------------------------------------|
| EU RoHS Compliant | No |
| Insulation Material | Vinyl |
| Stud Size | 1/4 Inch |
| Terminal Style | Standard |
| Terminal Type | Ring |
| UL File Number | E23438 |
| Wire Gauge Range | 10 to 12 American Wire Gauge (AWG) |

Scotchlok® Brand Terminals

Crimp-Type

CAT. NO. MV10-4R/S THRU MV10-12R
(D-01-401 THRU D-01-414)

Ring Tongue, Vinyl Insulated, Brazed Seam



UNDERWRITERS
LABORATORIES
STANDARD NO. UL 486A
3M FILE NO. E23438



CANADIAN
STANDARDS
ASSOCIATION
STANDARD NO. 22.2
NO. 0, 65
3M FILE NO. LR22190

| Wire Range (AWG) | Stud Size | W | C | L | E | Thick-ness | Barrel | | Max. Insul. Dia. | Catalog Numbers |
|------------------|-----------|-----|-----|------|-----|------------|--------|------|------------------|-----------------------|
| | | | | | | | Length | I.D. | | |
| 12-10 (Yellow) | 4 | .28 | .29 | .98 | .84 | .040 | .25 | .135 | .250 | MV10-4R/S (D-01-401) |
| | 6 | .38 | .29 | 1.03 | .84 | .040 | .25 | .135 | .250 | MV10-6R (D-01-403) |
| | 8 | .38 | .29 | 1.03 | .84 | .040 | .25 | .135 | .250 | MV10-8R (D-01-405) |
| | 10 | .38 | .29 | 1.03 | .84 | .040 | .25 | .135 | .250 | MV10-10R (D-01-406) |
| | 1/4 | .53 | .44 | 1.26 | .99 | .040 | .25 | .135 | .250 | MV10-14R/S (D-01-407) |
| | 5/16 | .53 | .44 | 1.26 | .99 | .040 | .25 | .135 | .250 | MV10-16R/S (D-01-409) |
| | 3/8 | .53 | .44 | 1.26 | .99 | .040 | .25 | .135 | .250 | MV10-18R/S (D-01-411) |
| | 1/2 | .75 | .59 | 1.50 | .99 | .040 | .25 | .135 | .250 | MV10-12R (D-01-414) |

SPECIFICATIONS:

WIRE SIZE: 12-10 AWG COPPER
 BARREL SEAM: BRAZED
 INSULATOR MAX. VOLT. RATING: 600 V BUILDING WIRE
 1000 V SIGNS, FIXTURES AND LUMINAIRES
 MAXIMUM TEMPERATURE RATING: 105°C. 221°F
 MAXIMUM CURRENT: SAME AS WIRE
 INSULATOR MATERIAL: VINYL
 TERMINAL MATERIAL: ETP COPPER
 PLATING: TIN

INSTALLATION INFORMATION:

Caution - 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 in. of wire insulation.

Make the crimp in the proper station of a recommended 3M crimp tool: TH440, TH450 (scissor style), TR482, TR484 (ratchet style) hand tools.



BARREL CRIMP (REQUIRED)
 INSULATION SUPPORT CRIMP (RECOMMENDED)

ENGINEERING SPECIFICATION:

Crimp-Type Terminals shall, electrically and mechanically, connect to a prestripped end of a stranded copper wire; and have a flat tongue portion with a central opening for mounting around a screw or stud. The terminal line shall offer tongue variations in hole (stud) size (..., 6, 8, 10, etc.) and configuration (ring, fork, block fork, flanged block fork, locking fork, etc.); and barrel variations in wire (AWG) range (..., 22-18, 16-14, 12-10, etc.) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.). The terminal line shall have regulatory agency coverage (UL Listing, CSA Certification). The terminal tongue shall be marked with the wire range and a manufacturer's symbol (†).

The Vinyl Insulated, Brazed Seam Ring Tongue terminal shall be tin plated, annealed copper, with the tongue having a specified stud hole (4 thru 1/2) and with a brazed seam barrel covered by a molded vinyl funnel entry sleeve, color coded and sized for a specified (AWG) wire range (Yellow, 12-10).

Insulated terminals shall be UL Listed and CSA Certified for 600 Volts maximum, building wire; 1000 Volts maximum, in signs, fixtures and luminaires, and be temperature rated 105°C maximum.

Important Notice: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

11/86

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