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3M™ Scotchlok™ Vinyl Insulated Brazed Seam Ring Tongue Terminal MV10-516R/SX, Stud Size 5/16
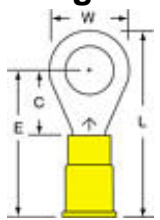
This terminal has a wire range of 12-10 AWG and a stud size of 5/16. It comes in quantities of 50 per carton and 500 per case.

[click to enlarge]

GTIN(UPC/EAN) : 0 00 54007 23375 6
3M Id : 80-6100-0177-0

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.

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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	5/16 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-0I-40I THRU D-0I-4I4)

Ring Tongue, Vinyl Insulated, Brazed Seam
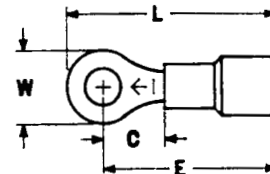
UNDERWRITERS
 LABORATORIES
STANDARD NO. UL 486A
3M FILE NO. E23438

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 Length	Barrel I.D.	Max. Insul. Dia.	Catalog Numbers	
12-10 (Yellow)	4	.28	.29	.98	.84	.040	.25	.135	.250	MV10-4R/S	(D-0I-40I)
	6	.38	.29	1.03	.84	.040	.25	.135	.250	MV10-6R	(D-0I-403)
	8	.38	.29	1.03	.84	.040	.25	.135	.250	MV10-8R	(D-0I-405)
	10	.38	.29	1.03	.84	.040	.25	.135	.250	MV10-10R	(D-0I-406)
	1/4	.53	.44	1.26	.99	.040	.25	.135	.250	MV10-14R/S	(D-0I-407)
	5/16	.53	.44	1.26	.99	.040	.25	.135	.250	MV10-516R/S	(D-0I-409)
	3/8	.53	.44	1.26	.99	.040	.25	.135	.250	MV10-38R/S	(D-0I-4II)
	1/2	.75	.59	1.50	.99	.040	.25	.135	.250	MV10-12R	(D-0I-4I4)

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.

11/86

3M

D-0I-4