



## Ring Terminals T&B Catalog Number:

**UPC Number:**  
**Status:**  
**Description:**

220017  
78621085553  
Active

Connector Insulation Piercing Ring Terminals 3/8 Stud, .88x1.50x2.76  
50,000 - 115,000 CMA

### Features

Designed to penetrate magnet wire insulation during application, eliminating the need for stripping, brazing, welding or other methods of joining magnet wire.

### Application

For aluminum to copper, aluminum to aluminum or copper to copper magnet wire connections.

### General

Material	Copper
Finish	Tin Plated
Stud Size	3/8

### Dimension Information

E* (inches)	(d)
A (inches)	.88
B (inches)	1.50
C (inches)	2.76
D (inches)	1.06

### Specifications

Circular Mil Area	50,000 - 115,000
Rectangular Wire Range Thickness (inches)	
Rectangular Wire Range Width (inches)	.300 - .625
Round Wire Range AWG	0.100 - 0.175

### Tooling

Hydraulic Tooling	13100A, TBM15i
Die Used	13713B
Connector & Tooling Chart	Available on Website

### Packaging

T&B Order Multiple	25
T&B Inner Pack	25
Package in Units	250
T&B Sold in UOM	Each
T&B Weight Per UOM	11.13 lbs. per 100

### Application Support

Product Selector	DT_prod_selector_ringterm
T&B Instruction Sheets	ta02063-tb2
Overview	Available on Website

### Notes

*Note	Reference dimension (crimped height). See installing die illustration for gauging.
**Note	

Not recommended for aluminum magnet wire finer than 21 gauge or 0.4 mm<sup>2</sup>. (a) Four wires max. (b) Six wires max. (c) Six wires max. each barrel (d) Conductors heavier than 6 AWG or 13 mm<sup>2</sup> require special dies. Contact Thomas & Betts for assistance. (e) Crimping dies may not bottom. Connector height will depend on number and size of wires in barrel. Pump must deliver 9800 psi minimum.

Wire sizes and combinations shown have been tested to and meet or exceed Thomas & Betts specifications. Connectors may be suitable for other wire sizes or combinations. Thomas & Betts sells these connectors with the understanding that the user will perform necessary tests to determine their suitability for the intended purpose.

## Certifications

RoHS Compliance	Yes
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### For further technical assistance, please contact us...

Thomas & Betts - USA  
8155 T&B Blvd.  
Memphis, TN 38125  
www.tnb.com

T&B Technical Support  
MS 3B-50  
8155 T&B Blvd.  
Memphis, TN 38125

Hours: 7AM - 6PM CDT  
Monday-Friday  
Phone: (888) 862-3289  
Fax: (901) 252-1321  
Email:techsupport@tnb.com