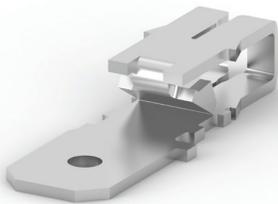


2825380-1



2825382-1

# NEW MAG-MATE TERMINALS ACCOMMODATE MORE SIZES OF AL AND CU MAGNET WIRE

## Introductory Product Flyer

MAG-MATE terminals are insulation displacement connection (IDC) terminals for copper and aluminum magnet wire terminations. New additions to the product line accommodate single or double 25-24 AWG (0.45-0.50mm dia.) aluminum magnet wires or 27-24 AWG (0.38-0.50mm dia.) copper magnet wires. MAG-MATE terminals with this wire capacity are designated as slot ID 9.

The new slot ID 9 parts are available as a poke-in terminal that accepts a 20-18 AWG (0.5-0.8mm<sup>2</sup>) solid or fused stranded lead wire or a poke-in tab, or as a combination terminal that accepts a poke-in wire as well as offering a 187 series FASTON tab as an input/output option.

As with other MAG-MATE terminals, these are designed to be inserted into specified cavities in bobbins or housings by MAG-MATE terminal insertion machines, precisely positioning the magnet wires within the "U" shaped termination slots. The clean metal-to-metal interface produces stable, gas-tight electrical terminations free of oxides and other contaminants. No pre-stripping of the magnet wire is required, and there is no high temperature soldering or welding process that might damage heat-sensitive wiring or components.

Of course, a broad range of existing MAG-MATE and mini MAG-MATE terminals are available for use with magnet wire ranging from 52-12 AWG (0.254-2.05mm dia.).

Visit [te.com](http://te.com) for more details on the complete MAG-MATE terminal product line.

### KEY FEATURES AND BENEFITS

- Terminates film-insulated copper and aluminum magnet wire
- Eliminates need for pre-stripping conductors
- Accommodates 25-24 AWG (0.45-0.50mm dia.) aluminum wire or 27-24 AWG (0.38-0.50mm dia.) copper wire
- Simultaneously terminates two magnet wires of the same size in one terminal (for splicing or bi-filing)
- Eliminates soldering or welding processes that might damage heat-sensitive wiring or components.

### APPLICATIONS

- Motor windings and connections
- Coil connections
- Transformer windings and connections
- Bobbin connections
- Lighting ballasts
- Power supplies

### TECHNICAL DETAILS

- Material: Tin plated brass
- Product Specification: 108-2012
- Application Specification: 114-2046

### PART DETAILS

Part Number	Type	Copper Magnet Wire Range		Aluminum Magnet Wire Range		Lead Wire Range		Stock Thickness		Typical Cavity Size
		AWG	mm dia.	AWG	mm dia.	AWG	mm <sup>2</sup>	in	mm	
2825380-1	Poke-in	27-24	0.38-0.5	25-24	0.45-0.50	20-18	0.5-0.8	0.0157	0.4	2
2825382-1	Combination Poke-in/187 FASTON Tab									

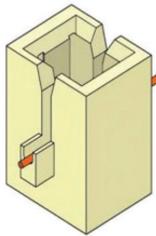
# Slot ID 9 MAG-MATE Terminals

## Product Extension

### MAG-MATE TERMINAL AND CAVITY



**Poke-in terminal**



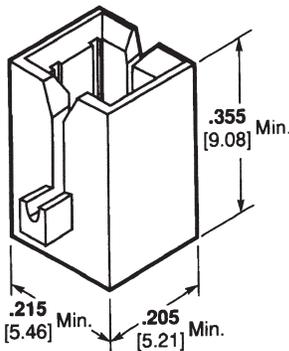
**Up to 4 contact points** for magnet wire

**Up to 2 magnet wires** of the same diameter

Cavities are either integrated into coil bodies or especially designed cavity housings.

### TYPICAL PLASTIC CAVITY

For reference only. Not a purchased item. Manufacture only according to TE specification.

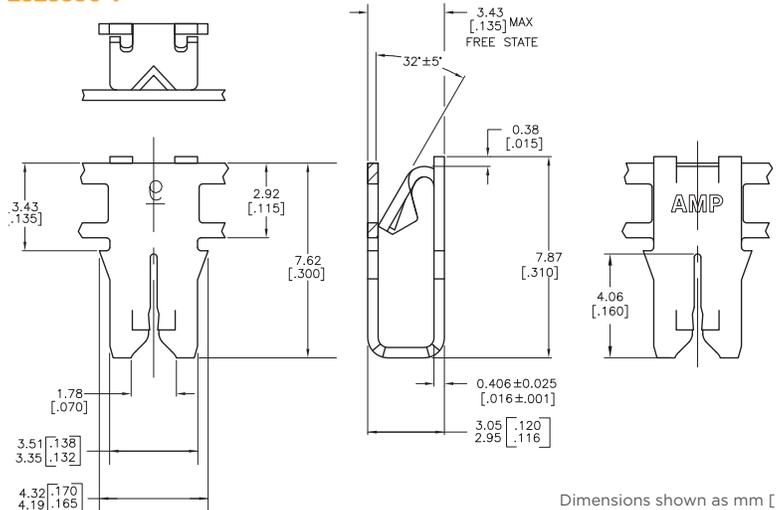


**Cavity Size 2**  
 .300 [7.62] Box  
 MAG-MATE  
 (Application Spec. 114-2046)  
 Dimensions shown as in [mm].

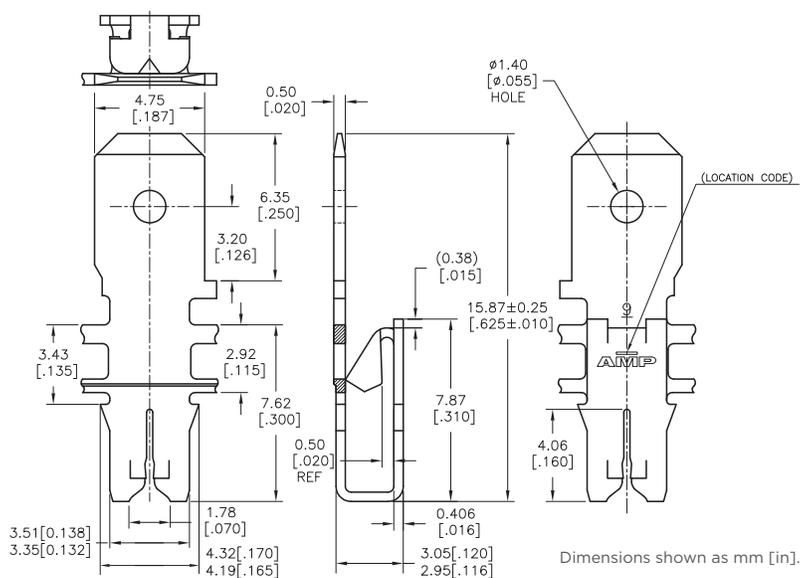
### OUTLINE DIMENSIONS

See customer drawings on [te.com](http://te.com) for more detail.

#### 2825380-1



#### 2825382-1



### TE TECHNICAL SUPPORT CENTER

USA: +1 (800) 522-6752

Canada: +1 (905) 475-6222

Mexico: +52 (0) 55-1106-0800

Latin/S. America +54 (0) 11-4733-2200

Germany: +49 (0) 6251-133-1999

UK: +44 (0) 800-267666

France: +33 (0) 1-3420-8686

Netherlands: +31 (0) 73-6246-999

China: +86 (0) 400-820-6015

### te.com

MAG-MATE, FASTON, TE, TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2018 TE Connectivity Ltd. family of companies All Rights Reserved.

1-1773951-7

04/18 Original