

62420-1 ✓ ACTIVE

MAG-MATE | MAG-MATE 300

TE Internal #: 62420-1

Poke-In, Size 2, 21 – 19 AWG Aluminum Wire, .41 – .65 mm

Aluminum Wire, Lead Wire Size 20 – 18 AWG, MAG-MATE 300,

Magnet Wire Terminals

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Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Poke-In**

Compatible With Cavity Size: **Size 2**

Aluminum Wire Size: **.41 – .65 mm**

Lead Wire Size: **20 – 18 AWG**

## Features

### Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Magnet Wire, Solid |
|------------------------------------|--------------------|

### Body Features

|                             |        |
|-----------------------------|--------|
| Compatible With Cavity Size | Size 2 |
|-----------------------------|--------|

### Contact Features

|                           |         |
|---------------------------|---------|
| Magnet Wire Terminal Type | Poke-In |
|---------------------------|---------|

|                           |     |
|---------------------------|-----|
| Terminal Plating Material | Tin |
|---------------------------|-----|

|                      |          |
|----------------------|----------|
| Terminal Orientation | Straight |
|----------------------|----------|

### Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

### Mechanical Attachment

|                       |       |
|-----------------------|-------|
| Mating Retention Type | Barbs |
|-----------------------|-------|

### Dimensions

|                 |                 |
|-----------------|-----------------|
| Terminal Height | 7.87 mm[.31 in] |
|-----------------|-----------------|

|                    |              |
|--------------------|--------------|
| Aluminum Wire Size | .41 – .65 mm |
|--------------------|--------------|



|                                    |                            |
|------------------------------------|----------------------------|
| Lead Wire Size                     | .81 – 1.02 mm <sup>2</sup> |
| Magnet Wire Size                   | .64 – .81 mm               |
| Stock Thickness (Magnet Wire Side) | .41 mm[.016 in]            |
| Product Length                     | 7.62 mm[.3 in]             |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Insulation Option           | Uninsulated               |
| Operating Temperature Range | -20 – 105 °C[-4 – 221 °F] |

### Operation/Application

|                                    |                  |
|------------------------------------|------------------|
| Compatible With Wire Base Material | Aluminum, Copper |
|------------------------------------|------------------|

### Identification Marking

|                       |    |
|-----------------------|----|
| Identification Number | 15 |
|-----------------------|----|

### Packaging Features

|                    |                   |
|--------------------|-------------------|
| Packaging Quantity | 12000             |
| Packaging Method   | Reel, Reel/Carton |

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

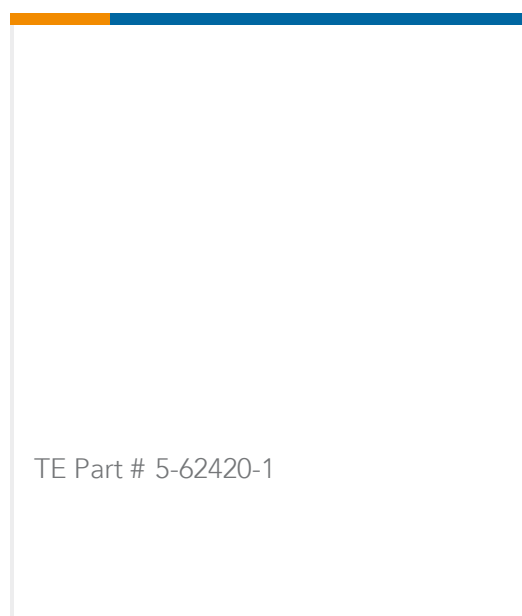
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits

as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

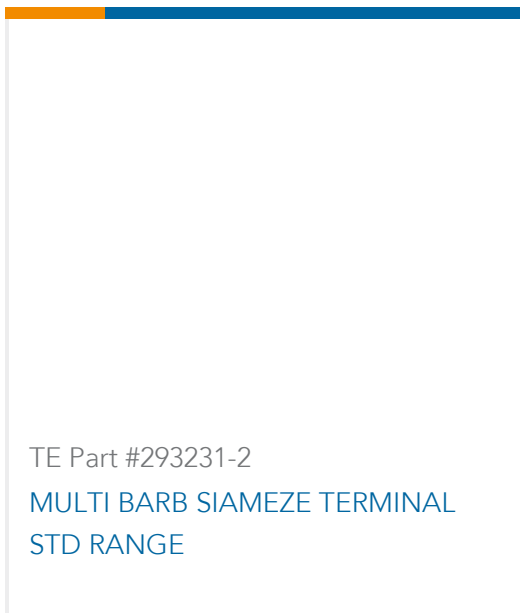


## Also in the Series | MAG-MATE 300



## Customers Also Bought





## Documents

### Product Drawings

[MAG-MATE TERM 20-22 016 TPBR](#)

Japanese

[MAG-MATE TERM 20-22 016 TPBR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_62420-1\\_CE.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_62420-1\\_CE.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_62420-1\\_CE.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[Magnet Wire Terminals & Splices](#)

English

### Product Specifications

[Application Specification](#)

English

### Instruction Sheets

[STD MAG-MATE INSERTION MODULE](#)

Japanese

### Agency Approvals

[UL Report](#)

English