



Relays, Contactors &amp; Switches &gt; Relays &gt; Power Relays

Power Relay Type: **Industrial Panel Plug-In**Coil Magnetic System: **Monostable, DC**Coil Power Rating Class: **1000 – 1500 mW**Coil Power Rating DC: **1200 mW**Coil Resistance: **13000 Ω**

## Features

### Product Type Features

|                  |                          |
|------------------|--------------------------|
| Power Relay Type | Industrial Panel Plug-In |
|------------------|--------------------------|

### Electrical Characteristics

|  |               |
|--|---------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 1500 – 2500 V |
|--|---------------|

|   |           |
|---|-----------|
| Insulation Initial Dielectric Between Contacts & Coil | 2500 Vrms |
|---|-----------|

|                  |    |
|------------------|----|
| Actuating System | DC |
|------------------|----|

|   |           |
|---|-----------|
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms |
|---|-----------|

|                                 |      |
|---------------------------------|------|
| Contact Limiting Making Current | 20 A |
|---------------------------------|------|

|                                     |      |
|-------------------------------------|------|
| Contact Limiting Short-Time Current | 10 A |
|-------------------------------------|------|

|                                     |      |
|-------------------------------------|------|
| Contact Limiting Continuous Current | 10 A |
|-------------------------------------|------|

|                           |            |
|---------------------------|------------|
| Insulation Creepage Class | 3 – 5.5 mm |
|---------------------------|------------|

|   |           |
|---|-----------|
| Insulation Initial Dielectric Between Adjacent Contacts | 2500 Vrms |
|---|-----------|

|  |                |
|--|----------------|
| Insulation Creepage Between Contact & Coil | 4 mm [.157 in] |
|--|----------------|

|                                   |      |
|-----------------------------------|------|
| Contact Limiting Breaking Current | 10 A |
|-----------------------------------|------|

|                      |                |
|----------------------|----------------|
| Coil Magnetic System | Monostable, DC |
|----------------------|----------------|

|                         |                |
|-------------------------|----------------|
| Coil Power Rating Class | 1000 – 1500 mW |
|-------------------------|----------------|

|                      |         |
|----------------------|---------|
| Coil Power Rating DC | 1200 mW |
|----------------------|---------|

|                 |         |
|-----------------|---------|
| Coil Resistance | 13000 Ω |
|-----------------|---------|

|                       |   |
|-----------------------|---|
| Coil Special Features | Electrical Indicator, LED, UL Coil Insulation Class B |
|-----------------------|---|



|                                 |            |
|---------------------------------|------------|
| Coil Voltage Rating             | 125 VDC    |
| Contact Switching Load (Min)    | 1mA @ .02V |
| Contact Switching Voltage (Max) | 400 VAC    |
| Contact Voltage Rating          | 240 VAC    |

### Body Features

|                |                |
|----------------|----------------|
| Product Weight | 80 g[2.824 oz] |
|----------------|----------------|

### Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Plating Material     | Silver Nickel   |
| Contact Arrangement          | 3 Form C (3 CO) |
| Contact Current Class        | 5 – 10 A, 16 A  |
| Contact Current Rating (Max) | 10 A            |
| Contact Material             | AgNi90/10       |
| Contact Number of Poles      | 3               |
| Terminal Type                | Plug-In         |

### Mechanical Attachment

|                     |        |
|---------------------|--------|
| Relay Mounting Type | Socket |
|---------------------|--------|

### Dimensions

|   |                   |
|---|-------------------|
| Length Class (Mechanical)                   | 35 – 40 mm        |
| Insulation Clearance Class                  | 2.5 – 4 mm        |
| Insulation Clearance Between Contact & Coil | 2.8 mm[.11 in]    |
| Width Class (Mechanical)                    | 30 – 40 mm        |
| Product Width                               | 35.5 mm[1.398 in] |
| Product Length                              | 35.6 mm[1.402 in] |
| Product Height                              | 57 mm[2.244 in]   |

### Usage Conditions

|   |               |
|---|---------------|
| Environmental Ambient Temperature Class | 50 – 70 °C    |
| Environmental Ambient Temperature (Max) | 60 °C[140 °F] |
| Operating Temperature Range             | -40 – 60 °C   |

### Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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

|  |  |  |  |
|--|--|--|--|
|  <p>TE Part # 1415035-1<br/>MT78750</p>   |  <p>TE Part # 8-1393163-3<br/>MT78740</p> |  <p>TE Part # 8-1415043-1<br/>MT78613</p> |  <p>TE Part # 1415044-1<br/>MT78603</p> |
|  <p>TE Part # 8-1415034-1<br/>MT78760</p> |  |  |  |

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## Documents

### CAD Files

3D PDF

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Customer View Model

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English

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### Datasheets & Catalog Pages

[Multimode Relay MT](#)

English



### [Accessories - Power Relay MT](#)

English

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