



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **600 – 800 mW**

Coil Power Rating DC: **750 mW**

Coil Resistance: **3072 Ω**

## Features

### Product Type Features

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

### Electrical Characteristics

|   |                            |
|---|----------------------------|
| Insulation Initial Dielectric Between Contacts & Coil   | 1200 Vrms                  |
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms                  |
| Contact Limiting Making Current                         | 20 A                       |
| Contact Limiting Short-Time Current                     | 300 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                                 | 600 – 800 mW               |
| Coil Power Rating DC                                    | 750 mW                     |
| Coil Resistance   | 3072 Ω                     |
| Coil Special Features                                   | UL Coil Insulation Class F |
| Coil Voltage Rating                                     | 48 VDC                     |
| Contact Switching Load (Min)                            | 10mA @ 12V                 |
| Contact Switching Voltage (Max)                         | 400 VAC                    |



|                        |         |
|------------------------|---------|
| Contact Voltage Rating | 240 VAC |
|------------------------|---------|

### Body Features

|                             |   |
|-----------------------------|---|
| Insulation Special Features | 5000V Initial Surge Withstand Voltage between Contacts & Coil |
|-----------------------------|---|

|                |                |
|----------------|----------------|
| Product Weight | 30 g[1.058 oz] |
|----------------|----------------|

### Contact Features

|                     |                 |
|---------------------|-----------------|
| Contact Arrangement | 3 Form C (3 CO) |
|---------------------|-----------------|

|                       |                     |
|-----------------------|---------------------|
| Contact Current Class | 5 – 10 A, 10 – 20 A |
|-----------------------|---------------------|

|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | 10 A |
|------------------------------|------|

|                  |           |
|------------------|-----------|
| Contact Material | AgNi90/10 |
|------------------|-----------|

|                         |   |
|-------------------------|---|
| Contact Number of Poles | 3 |
|-------------------------|---|

|                     |                 |
|---------------------|-----------------|
| Relay Terminal Type | Plug-In, Solder |
|---------------------|-----------------|

### Mechanical Attachment

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

### Dimensions

|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 25 – 30 mm |
|---------------------------|------------|

|                                      |  |
|--------------------------------------|--|
| Dimensions (L x W x H) (Approximate) | 28 x 22.5 x 29 mm[1.102 x .886 x 1.142 in] |
|--------------------------------------|--|

|                            |            |
|----------------------------|------------|
| Insulation Clearance Class | 2.5 – 4 mm |
|----------------------------|------------|

|                           |            |
|---------------------------|------------|
| Height Class (Mechanical) | 25 – 30 mm |
|---------------------------|------------|

|   |      |
|---|------|
| Insulation Clearance Between Contact & Coil | 3 mm |
|---|------|

|                          |            |
|--------------------------|------------|
| Width Class (Mechanical) | 20 – 25 mm |
|--------------------------|------------|

|               |                  |
|---------------|------------------|
| Product Width | 22.5 mm[.886 in] |
|---------------|------------------|

|                |                 |
|----------------|-----------------|
| Product Length | 28 mm[1.102 in] |
|----------------|-----------------|

|                |                 |
|----------------|-----------------|
| Product Height | 29 mm[1.142 in] |
|----------------|-----------------|

### Usage Conditions

|   |               |
|---|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
|---|---------------|

|                             |             |
|-----------------------------|-------------|
| Operating Temperature Range | -40 – 70 °C |
|-----------------------------|-------------|

### Packaging Features

|                  |               |
|------------------|---------------|
| Packaging Method | Carton & Tube |
|------------------|---------------|

### Product Compliance

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

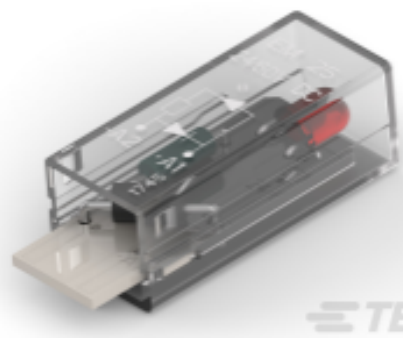









|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Hand solderable with lead free solder   |

Product Compliance Disclaimer

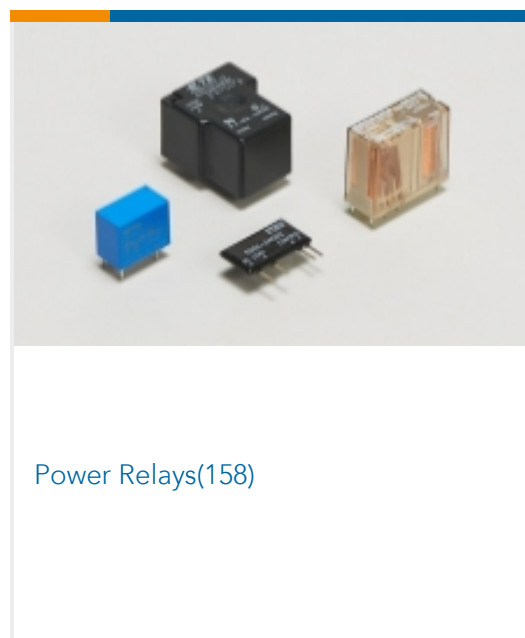
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5-1415539-3<br/>PTML0060</p> |  <p>TE Part # 1393162-5<br/>PT78603</p>   |  <p>TE Part # 1816124-1<br/>PT17024</p>   |  <p>TE Part # 9-1415036-1<br/>PTMT00A0</p> |
|  <p>TE Part # 5-1415037-1<br/>PT17016</p>  |  <p>TE Part # 5-1419111-9<br/>PT28800</p> |  <p>TE Part # 9-1415071-1<br/>PT78730</p> |  <p>TE Part # 1393162-1<br/>PT28802</p>    |



Also in the Series | **SCHRACK Miniature Relay PT**



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1419111-2\\_99.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1419111-2\\_99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1419111-2\\_99.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Miniature Relay PT](#)



English

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**Product Specifications**

**Definitions, Handling, Processing, Testing and Use of Relays**

English

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**Agency Approvals**

**VDE Certificate**

English