



Relays & Contactors > Relays > Power Relays



Relay Type: **Industrial Panel Plug-In**  
Coil Magnetic System: **Monostable**  
Coil Power Rating DC: **759 mW**  
Coil Resistance: **777  $\Omega$**   
Coil Special Features: **UL Coil Insulation Class F**

Features

Product Type Features

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

Configuration Features

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Insulation Special Features | 5000V Initial Surge Withstand Voltage between Contacts & Coil |
| Coil Special Features       | UL Coil Insulation Class F                                    |
| Contact Arrangement         | 4 Form C (4 CO)                                               |
| Contact Number of Poles     | 4                                                             |

Electrical Characteristics

|                                                         |              |
|---------------------------------------------------------|--------------|
| Insulation Initial Dielectric Between Contacts & Coil   | 1200 Vrms    |
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms    |
| Contact Limiting Making Current                         | 12 A         |
| Contact Limiting Short-Time Current                     | 300 A        |
| Insulation Initial Dielectric Between Adjacent Contacts | 2500 Vrms    |
| Contact Limiting Breaking Current                       | 6 A          |
| Coil Power Rating DC                                    | 759 mW       |
| Coil Resistance                                         | 777 $\Omega$ |
| Coil Voltage Rating                                     | 24 VDC       |
| Contact Current Rating                                  | 6 A          |



|                                 |            |
|---------------------------------|------------|
| Contact Switching Load (Min)    | 10mA @ 12V |
| Contact Switching Voltage (Max) | 240 VAC    |
| Contact Voltage Rating          | 240 VAC    |

Body Features

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

Contact Features

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

Termination Features

|                       |         |
|-----------------------|---------|
| Relay Connection Type | Plug-In |
|-----------------------|---------|

Mechanical Attachment

|                    |        |
|--------------------|--------|
| Product Mount Type | Socket |
|--------------------|--------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 3 mm             |
| Insulation Creepage Between Contact & Coil  | 4 mm[.157 in]    |
| Product Width                               | 22.5 mm[.885 in] |
| Product Length                              | 28 mm[1.1 in]    |
| Product Height                              | 29 mm[1.14 in]   |

Usage Conditions

|                                         |               |
|-----------------------------------------|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
| Operating Temperature Range             | -40 - 70 °C   |

Operation/Application

|                      |            |
|----------------------|------------|
| Actuating System     | DC         |
| Indicator Type       | LED        |
| Coil Magnetic System | Monostable |

Packaging Features

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

Other

|                            |            |
|----------------------------|------------|
| Length Class (Mechanical)  | 25 - 30 mm |
| Insulation Creepage Class  | 3 - 5.5 mm |
| Insulation Clearance Class | 2.5 - 4 mm |
| Height Class (Mechanical)  | 25 - 30 mm |
|                            |            |



|                          |              |
|--------------------------|--------------|
| Coil Power Rating Class  | 600 - 800 mW |
| Width Class (Mechanical) | 20 - 25 mm   |
| Contact Current Class    | 5 - 10 A     |

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 2024 (240)<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



TE Part # 1-1415526-1  
[PT78742](#)



TE Part # 2-1415526-1  
[PT17021](#)



TE Part # 6-1415037-1  
[PT17040](#)



TE Part # 1860000-1  
[PT7874P](#)





|                                                                                                                                               |                                                                                                                                               |                                                                                                                                                 |                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1816124-1<br/><a href="#">PT17024</a></p>      |  <p>TE Part # 5-1415036-1<br/><a href="#">PTML0024</a></p>  |  <p>TE Part # 9-1415036-1<br/><a href="#">PTMT00A0</a></p>   |  <p>TE Part # 4-1415033-1<br/><a href="#">PT78740</a></p>    |
|  <p>TE Part # 5-1415037-1<br/><a href="#">PT17016</a></p>   |  <p>TE Part # 5-1419111-9<br/><a href="#">PT28800</a></p>  |  <p>TE Part # 3-1415043-1<br/><a href="#">PT78604</a></p>   |  <p>TE Part # 1393162-1<br/><a href="#">PT28802</a></p>     |
|  <p>TE Part # 2-1415036-1<br/><a href="#">PTMG0024</a></p> |  <p>TE Part # 4-1415043-1<br/><a href="#">PT78600</a></p> |  <p>TE Part # 5-1415034-1<br/><a href="#">PT78741</a></p>  |  <p>TE Part # 6-1415036-1<br/><a href="#">PTML0524</a></p> |
|  <p>TE Part # 2071566-1<br/><a href="#">PT78C4P</a></p>    |  <p>TE Part # 2071566-2<br/><a href="#">PT78A4P</a></p>   |  <p>TE Part # 3-1415036-1<br/><a href="#">PTMG0524</a></p> |  <p>TE Part # 1415037-1<br/><a href="#">PTMT00L0</a></p>   |

Also in the Series | [SCHRACK Miniature Relay PT](#)

|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
| <a href="#">Power Relays(158)</a>                                                   |

Customers Also Bought





TE Part # 9-1419111-0  
PT570615



TE Part # 6-1415034-1  
PT78720



TE Part # 5-1419111-1  
PT270730



TE Part # 6-1415035-1  
RT78726



TE Part # 6-1415037-1  
PT17040



TE Part # 6-1419111-3  
PT370110



TE Part # 9-1419111-1  
PT570730



TE Part # 1419108-6  
RT214730



TE Part # 6-1419111-6  
PT370524



TE Part # 2-1415544-7  
RT424024C-

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-1415001-1\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1415001-1\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1415001-1\_O.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

Product Specifications





Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English