



Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **3 Form C 3PDT-CO**

Current Type: **DC**

Contact Current Rating: **10 A**

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 3                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 3 Form C 3PDT-CO           |

Electrical Characteristics

|                                                         |            |
|---------------------------------------------------------|------------|
| Contact Limiting Short-Time Current                     | 300 A      |
| Contact Limiting Making Current                         | 20 A       |
| Contact Limiting Breaking Current                       | 10 A       |
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms  |
| Insulation Initial Dielectric Between Adjacent Contacts | 2500 Vrms  |
| Contact Switching Voltage (Max)                         | 400 VAC    |
| Contact Switching Load (Min)                            | 10mA @ 12V |
| Coil Resistance                                         | 192 Ω      |
| Contact Current Rating                                  | 10 A       |
| Coil Voltage Rating                                     | 12 VDC     |
| Contact Voltage Rating                                  | 240 VAC    |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Coil Power Rating DC                                  | .75 W     |
| Insulation Initial Dielectric Between Contacts & Coil | 2500 Vrms |

Body Features

|                |                                         |
|----------------|-----------------------------------------|
| Product Weight | 30 g[1.058 oz]                          |
| Enclosure Type | Flux Resistant Automatic Solder Capable |

Contact Features

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

Termination Features

|                                    |                          |
|------------------------------------|--------------------------|
| Main Termination & Connection Type | Solder/Plug-In Terminals |
| Coil Termination & Connection Type | Solder/Plug-In Terminals |

Mechanical Attachment

|                    |                      |
|--------------------|----------------------|
| Product Mount Type | Panel & Socket Mount |
|--------------------|----------------------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 3 mm             |
| Insulation Creepage Between Contact & Coil  | 4 mm[.157 in]    |
| Product Width                               | 22.5 mm[.886 in] |
| Product Length                              | 28 mm[1.102 in]  |
| Product Height                              | 29 mm[1.142 in]  |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Operating Temperature Range             | -40 – 70 °C[-40 – 158 °F] |
| Environmental Category of Protection    | RTII                      |
| Environmental Ambient Temperature (Max) | 70 °C[158 °F]             |

Operation/Application

|                      |            |
|----------------------|------------|
| Coil Magnetic System | Monostable |
| Current Type         | DC         |

Packaging Features

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

Other

|                           |                                  |
|---------------------------|----------------------------------|
| Coil Power Rating Class   | >.6 – ≤1 W                       |
| Contact Current Class     | >5 – ≤10 A                       |
| Height Class (Mechanical) | >27 – ≤33 mm[>1.063 – ≤1.299 in] |



|                           |                                 |
|---------------------------|---------------------------------|
| Length Class (Mechanical) | >22 – ≤33 mm[>.866 – ≤1.299 in] |
| Width Class (Mechanical)  | >22 – ≤33 mm[>.866 – ≤1.299 in] |

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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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>

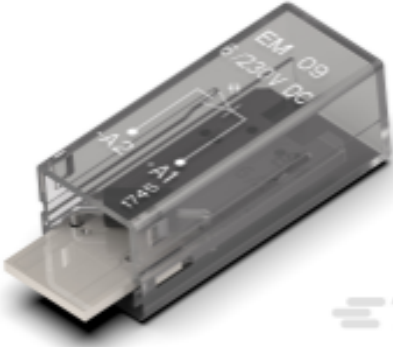
Compatible Parts



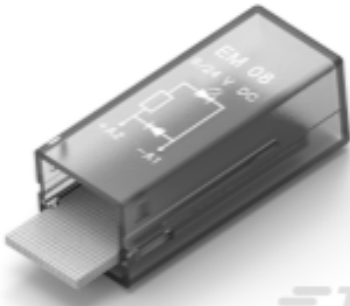
TE Part # 1393162-5  
PT78603



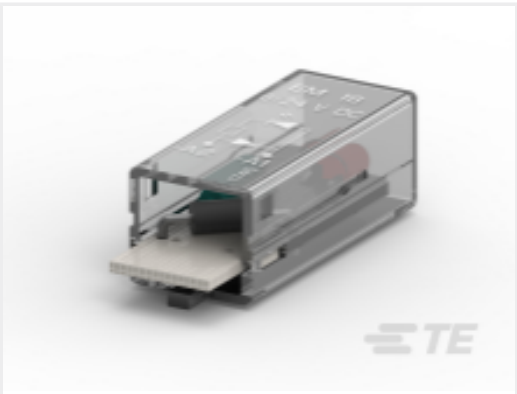
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TE Part # 9-1415036-1  
PTMT00A0



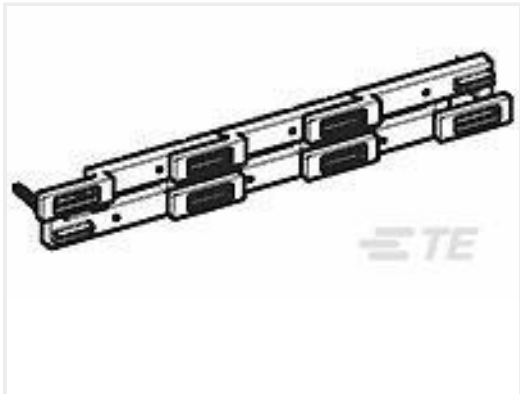
TE Part # 8-1415036-1  
PTML1024



TE Part # 5-1415036-1  
[PTML0024](#)



TE Part # 1415037-1  
[PTMT00L0](#)



TE Part # 1860517-5  
[PT170R6 Jumper Bar](#)



TE Part # 2-1415036-1  
[PTMG0024](#)



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



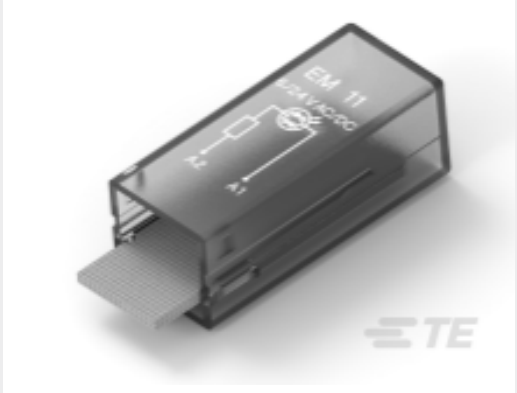
TE Part # 5-1419111-9  
[PT28800](#)



TE Part # 9-1415071-1  
[PT78730](#)



TE Part # 1393162-1  
[PT28802](#)



TE Part # 3-1415036-1  
[PTMG0524](#)



TE Part # 1816124-1  
[PT17024](#)

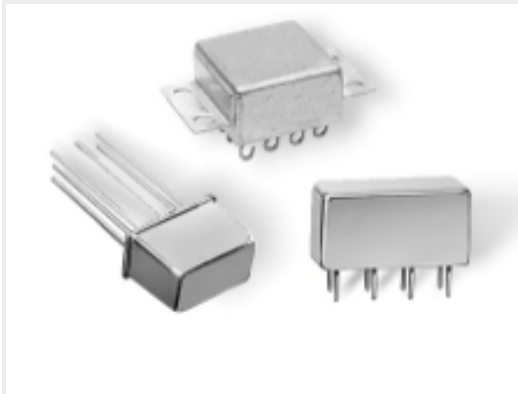


TE Part # 6-1415036-1  
[PTML0524](#)

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



[AC Relays\(33\)](#)



[DC Relays\(56\)](#)



[Electromechanical Relays\(89\)](#)



[Plug-In Relays\(67\)](#)

Customers Also Bought



TE Part #BKA199M40420200000  
[923 EXTENSION, SPEEDTEC-READY](#)



TE Part #CAT-P592-R472A  
[PIDG Ring Tongue Terminals](#)



TE Part #6-535541-8  
[20 MODIV VRT SR CE 100/115](#)



TE Part #1-1393154-2  
[PT570024](#)



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-1419111-0\_99.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1419111-0\_99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1419111-0\_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

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English