



Relays & Contactors > Electromechanical Relays



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

Current Type: **AC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Contact Current Rating: **12 A**

Features

Product Type Features

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

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 2                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 2 Form C DPDT-CO           |

Electrical Characteristics

|                                                         |              |
|---------------------------------------------------------|--------------|
| Contact Limiting Short-Time Current                     | 300 A        |
| Contact Limiting Making Current                         | 24 A         |
| Contact Limiting Breaking Current                       | 12 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        |
| Coil Power Rating AC                                    | .79 VA, 1 VA |
| Contact Current Rating                                  | 12 A         |
| Coil Voltage Rating                                     | 24 VAC       |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Contact Voltage Rating                                | 240 VAC   |
| 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[.885 in] |
| Product Length                              | 28 mm[1.1 in]    |
| Product Height                              | 29 mm[1.14 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

|                      |            |
|----------------------|------------|
| Indicator Type       | LED        |
| Current Type         | AC         |
| Coil Magnetic System | Monostable |

Packaging Features

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

Other

|                           |            |
|---------------------------|------------|
| Contact Current Class     | 10 – 20 A  |
| Height Class (Mechanical) | 25 – 30 mm |
|                           |            |



|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 25 – 30 mm |
| Width Class (Mechanical)  | 20 – 25 mm |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                     |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                          |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 # 1860100-1  
PT7872P



TE Part # 3-1415043-1  
PT78604



TE Part # 4-1415043-1  
PT78600



TE Part # 5-1415034-1  
PT78741



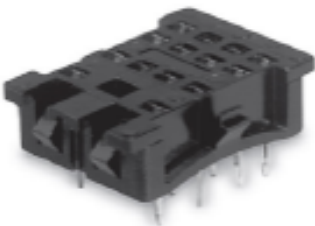
TE Part # 1393162-5  
[PT78603](#)



TE Part # 2071566-4  
[PT78A2P](#)



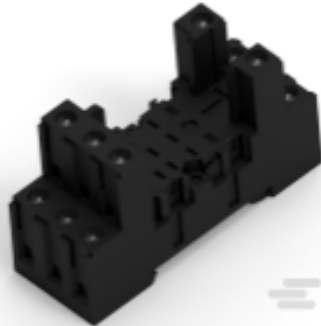
TE Part # 1860000-1  
[PT7874P](#)



TE Part # 6-1415043-1  
[PT78601](#)



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



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



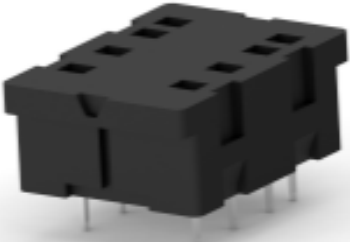
TE Part # 1415526-1  
[PT78722](#)



TE Part # 2071566-3  
[PT78C2P](#)



TE Part # 4-1415033-1  
[PT78740](#)



TE Part # 5-1415043-1  
[PT78602](#)



TE Part # 2071566-6  
[PT78C02](#)

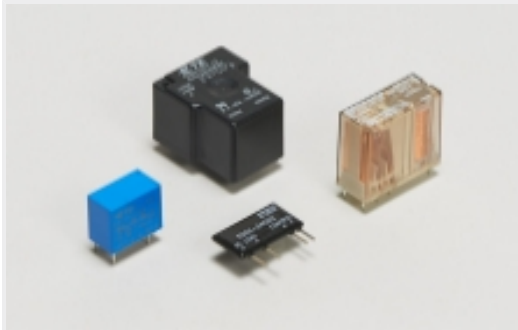


TE Part # 6-1415034-1  
[PT78720](#)

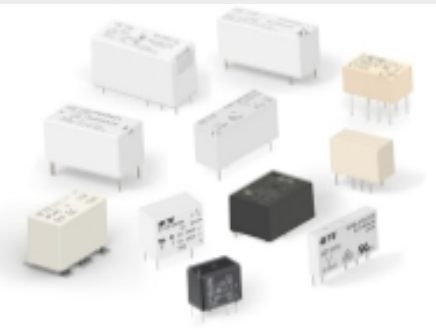
Also in the Series | [SCHRACK Miniature Relay PT](#)



[AC Relays\(43\)](#)



[General Purpose Power Relays\(109\)](#)

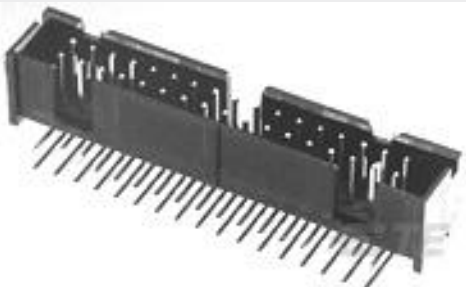


[PCB Relays\(24\)](#)

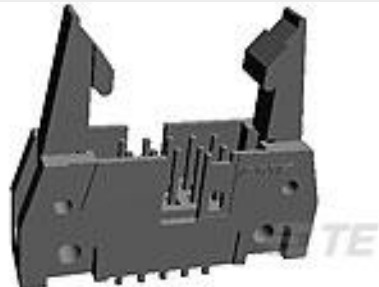


[Plug-In Relays\(85\)](#)

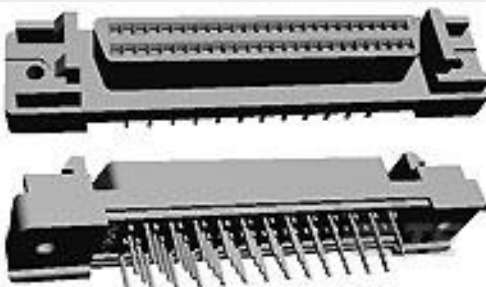
Customers Also Bought



TE Part #1-5103311-0  
[A/L LOW PRO HDR 50P RA BLACK](#)



TE Part #5499922-3  
[A/L UNIV HDR 16P VERT LAT](#)



TE Part #5749069-9  
[100 50SR VERT RCPT ASSYY](#)



TE Part #1-1393239-3  
[RT114024](#)





TE Part #1658525-1  
622-2653LF, PCB IDC, LEAD FREE



TE Part #5747846-4  
25 MSFL RCPT RA 318 (IN,FM,BL)



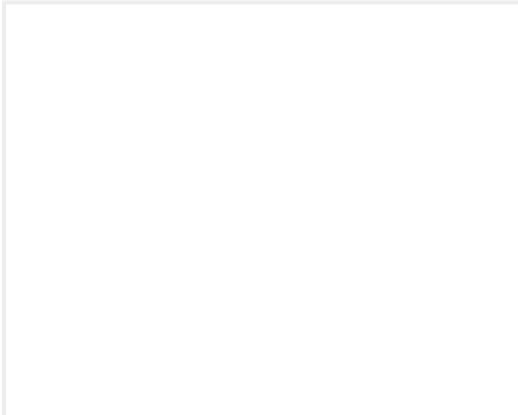
TE Part #5747845-4  
15 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #499252-8  
016 STRAIN RELIEF A-L RCPT



TE Part #640454-4  
04P MTA100 HDR ASSY SQ STR POL



TE Part #1419106-7  
27E220=SOCKET,KH,8,PL,PHEN,BLK

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1415002-1\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1415002-1\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1415002-1\_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