



Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Contact Current Rating: **10 A**

Features

Product Type Features

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

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 1                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 1 Form C SPDT-CO           |

Electrical Characteristics

|                                     |             |
|-------------------------------------|-------------|
| Contact Limiting Short-Time Current | 10 A        |
| Contact Limiting Making Current     | 10 A        |
| Contact Limiting Continuous Current | 10 A        |
| Contact Limiting Breaking Current   | 10 A        |
| Contact Switching Voltage (Max)     | 400 VAC     |
| Contact Switching Load (Min)        | 100mA @ 12V |
| Coil Resistance                     | 652 Ω       |
| Contact Current Rating              | 10 A        |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Coil Voltage Rating                                   | 12 VDC    |
| Contact Voltage Rating                                | 250 VAC   |
| Coil Power Rating DC                                  | .221 W    |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |

Body Features

|                |                                         |
|----------------|-----------------------------------------|
| Product Weight | 9.4 g[.388 oz]                          |
| Enclosure Type | Flux Resistant Automatic Solder Capable |

Contact Features

|                  |        |
|------------------|--------|
| Contact Material | AgSnO2 |
|------------------|--------|

Termination Features

|                                    |             |
|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

|                    |             |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

|                                            |                |
|--------------------------------------------|----------------|
| Insulation Creepage Between Contact & Coil | 8 mm[.315 in]  |
| Product Width                              | 10 mm[.393 in] |
| Product Length                             | 30 mm[1.18 in] |
| Product Height                             | 15 mm[.59 in]  |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Operating Temperature Range             | -40 – 85 °C[-40 – 185 °F] |
| Environmental Category of Protection    | RTII                      |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F]             |

Operation/Application

|                      |                     |
|----------------------|---------------------|
| Solder Process       | Wave Solder Capable |
| Current Type         | DC                  |
| Coil Magnetic System | Monostable          |

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tube |
|------------------|------|

Other

|                         |           |
|-------------------------|-----------|
| Coil Power Rating Class | .2 – .3 W |
|-------------------------|-----------|



|                                         |            |
|-----------------------------------------|------------|
| Contact Current Class                   | 16 A       |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Length Class (Mechanical)               | 25 – 30 mm |
| Width Class (Mechanical)                | 8 – 10 mm  |

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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                 |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                   |

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 # 4-1416200-7  
V23061D2007A301



TE Part # 4-1416200-6  
V23061D1007A301





Also in the Series

SCHRACK Low Power PCB Relays

General Purpose Power Relays(20)

PCB Relays(20)

Customers Also Bought

TE Part #320559  
PIDG SPLICE 22-16COMM 22-18MIL

TE Part #1860306-1  
RT78725

TE Part #DTM04-12PA-E003  
REC, 12P, GRY, N, CAP, A

TE Part #5-1393243-2  
RT424F05

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-1416200-9\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-1416200-9\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-1416200-9\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

- Miniature Power PCB Relay MSR
- English

Product Specifications

- Definitions General Purpose Relays
- English

Agency Approvals

- VDE Certificate



English