

4-1416200-6 ✓ ACTIVE

SCHRACK | SCHRACK Low Power PCB Relays

TE Internal #: 4-1416200-6

Power Relays, Standard, Monostable, DC, 254 mW Coil Power Rating DC, 2270  $\Omega$  Coil Resistance, UL Coil Insulation Class F, SCHRACK Low Power PCB Relays

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **254 mW**

Coil Resistance: **2270  $\Omega$**

Coil Special Features: **UL Coil Insulation Class F**

## Features

### Product Type Features

|                  |          |
|------------------|----------|
| Power Relay Type | Standard |
|------------------|----------|

### Electrical Characteristics

|  |                            |
|--|----------------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 3500 – 4000 V              |
| Insulation Initial Dielectric Between Contacts & Coil      | 1000 V                     |
| Contact Limiting Making Current                            | 10 A                       |
| Contact Limiting Short-Time Current                        | 10 A                       |
| Insulation Creepage Class                                  | 5.5 – 8 mm                 |
| Contact Limiting Continuous Current                        | 10 A                       |
| Coil Power Rating Class                                    | 200 – 300 mW               |
| Insulation Creepage Between Contact & Coil                 | 8 mm [.315 in]             |
| Contact Limiting Breaking Current                          | 10 A                       |
| Coil Magnetic System                                       | Monostable, DC             |
| Coil Power Rating DC                                       | 254 mW                     |
| Coil Resistance  | 2270 $\Omega$              |
| Coil Special Features                                      | UL Coil Insulation Class F |
| Coil Voltage Rating  | 24 VDC                     |
| Contact Switching Load (Min)                               | 100mA @ 12V                |
| Contact Switching Voltage (Max)                            | 400 VAC                    |



|                        |         |
|------------------------|---------|
| Contact Voltage Rating | 250 VAC |
|------------------------|---------|

### Body Features

|                |                 |
|----------------|-----------------|
| Product Weight | 9.4 g [.388 oz] |
|----------------|-----------------|

### Contact Features

|                     |               |
|---------------------|---------------|
| Contact Arrangement | 1 Form C (CO) |
|---------------------|---------------|

|                       |                |
|-----------------------|----------------|
| Contact Current Class | 5 – 10 A, 16 A |
|-----------------------|----------------|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 8 A |
|------------------------------|-----|

|                  |                    |
|------------------|--------------------|
| Contact Material | AgSnO <sub>2</sub> |
|------------------|--------------------|

|                         |   |
|-------------------------|---|
| Contact Number of Poles | 1 |
|-------------------------|---|

|                     |         |
|---------------------|---------|
| Relay Terminal Type | PCB-THT |
|---------------------|---------|

### Mechanical Attachment

|                     |                       |
|---------------------|-----------------------|
| Relay Mounting Type | Printed Circuit Board |
|---------------------|-----------------------|

### Dimensions

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

|                          |           |
|--------------------------|-----------|
| Width Class (Mechanical) | 8 – 10 mm |
|--------------------------|-----------|

|               |                 |
|---------------|-----------------|
| Product Width | 10 mm [.394 in] |
|---------------|-----------------|

|                |       |
|----------------|-------|
| Product Length | 30 mm |
|----------------|-------|

### Usage Conditions

|   |            |
|---|------------|
| Environmental Ambient Temperature Class | 70 – 85 °C |
|---|------------|

|   |                |
|---|----------------|
| Environmental Ambient Temperature (Max) | 85 °C [185 °F] |
|---|----------------|

### Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
|--|---|



|                 |  |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|

|                           |                              |
|---------------------------|------------------------------|
| Solder Process Capability | Wave solder capable to 260°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

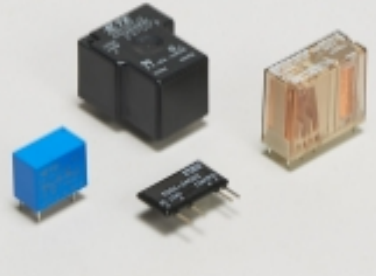


TE Part # 4-1416200-9  
V23061D2005A301



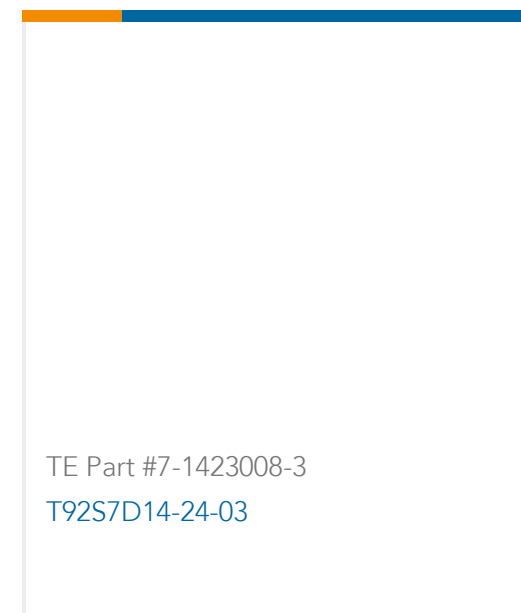
TE Part # 7-1416200-7  
V23061-D1005-A301

### Also in the Series | SCHRACK Low Power PCB Relays



Power Relays(20)

### Customers Also Bought



## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1416200-6\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1416200-6\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1416200-6\\_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

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## Agency Approvals

### VDE Certificate

English