

V23148A1007A101

✓ ACTIVE

SCHRACK | SCHRACK V23148

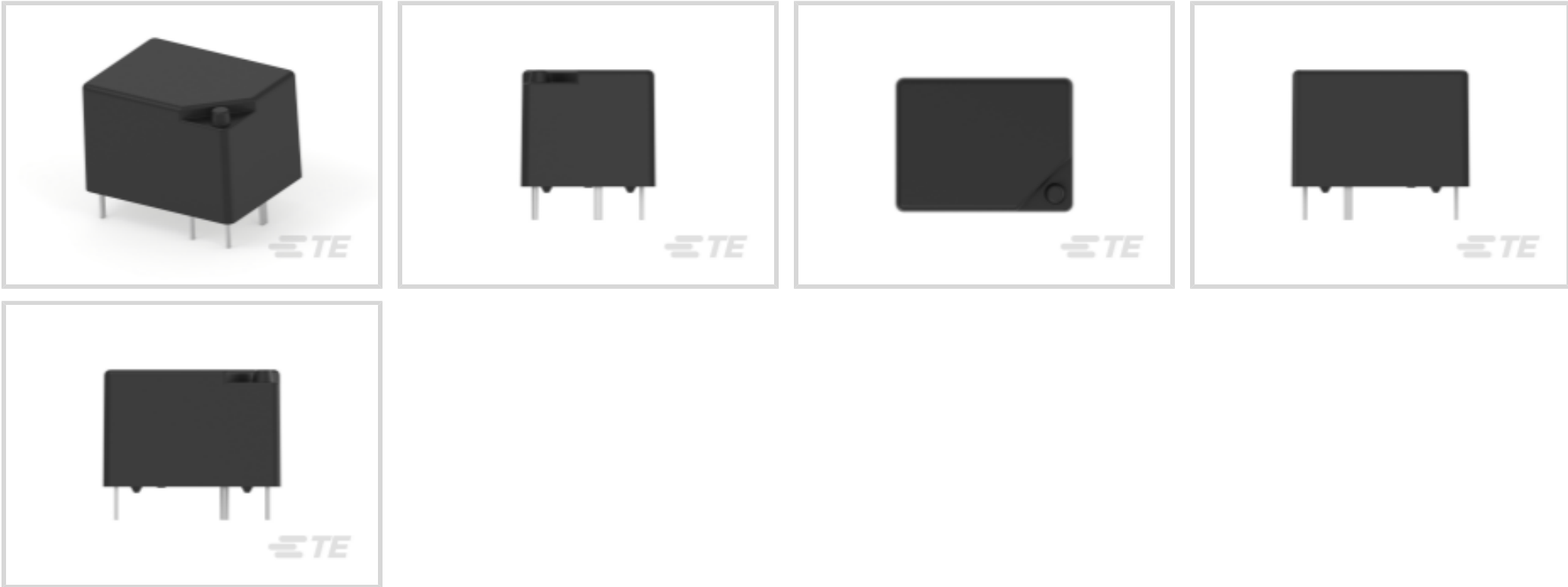
TE Internal #: 2-1393203-8

Power Relays, Standard, Monostable, DC, 450 mW Coil Power  
Rating DC, 1280  $\Omega$  Coil Resistance, 24 VDC Coil Voltage, 1 Form C  
(CO), SCHRACK V23148

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**  
Coil Magnetic System: **Monostable, DC**  
Coil Power Rating Class: **400 – 500 mW**  
Coil Power Rating DC: **450 mW**  
Coil Resistance: **1280  $\Omega$**

Features

Product Type Features

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

Electrical Characteristics

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 4000 – 5000 V   |
| Insulation Initial Dielectric Between Open Contacts        | 1000 Vrms       |
| Contact Limiting Making Current                            | 12 A            |
| Insulation Creepage Class                                  | 3 – 5.5 mm      |
| Contact Limiting Continuous Current                        | 7 A             |
| Insulation Initial Dielectric Between Contacts & Coil      | 4000 Vrms       |
| Insulation Creepage Between Contact & Coil                 | 3.5 mm[.138 in] |
| Coil Magnetic System                                       | Monostable, DC  |
| Coil Power Rating Class                                    | 400 – 500 mW    |
| Coil Power Rating DC                                       | 450 mW          |
| Coil Resistance                                            | 1280 $\Omega$   |
| Coil Voltage Rating                                        | 24 VDC          |



|                                 |         |
|---------------------------------|---------|
| Contact Switching Voltage (Max) | 400 VAC |
| Contact Voltage Rating          | 250 VAC |

Body Features

|                |              |
|----------------|--------------|
| Product Weight | 9 g[.317 oz] |
|----------------|--------------|

Contact Features

|                              |               |
|------------------------------|---------------|
| Contact Arrangement          | 1 Form C (CO) |
| Contact Current Class        | 5 – 10 A      |
| Contact Current Rating (Max) | 7 A           |
| Contact Material             | AgNi90/10     |
| Contact Number of Poles      | 1             |
| Relay Terminal Type          | PCB-THT       |

Mechanical Attachment

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

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Length Class (Mechanical)                   | 20 – 25 mm       |
| Insulation Clearance Class                  | 2.5 – 4 mm       |
| Height Class (Mechanical)                   | 14 – 15 mm       |
| Insulation Clearance Between Contact & Coil | 3.5 mm[.138 in]  |
| Width Class (Mechanical)                    | 16 – 20 mm       |
| Product Width                               | 16.2 mm[.638 in] |
| Product Length                              | 21.2 mm[.834 in] |
| Product Height                              | 14.9 mm[.587 in] |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F]             |
| Operating Temperature Range             | -25 – 70 °C[-13 – 158 °F] |

Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

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 2022 (224)<br>Candidate List Declared Against: JUL 2021 (219)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                         |
| Solder Process Capability                     | Wave solder capable to 260°C                                                                                                   |

Product Compliance Disclaimer

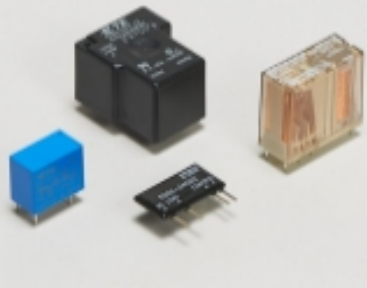
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 3-1393203-1  
V23148-A1107-A101

Also in the Series | SCHRACK V23148



Power Relays(33)

Documents

CAD Files





3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1393203-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1393203-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1393203-8\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Power PCB Relay U/UB

English

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English