

3-2158100-5 ✓ ACTIVE

SCHRACK | SCHRACK Power PCB Relay RZ

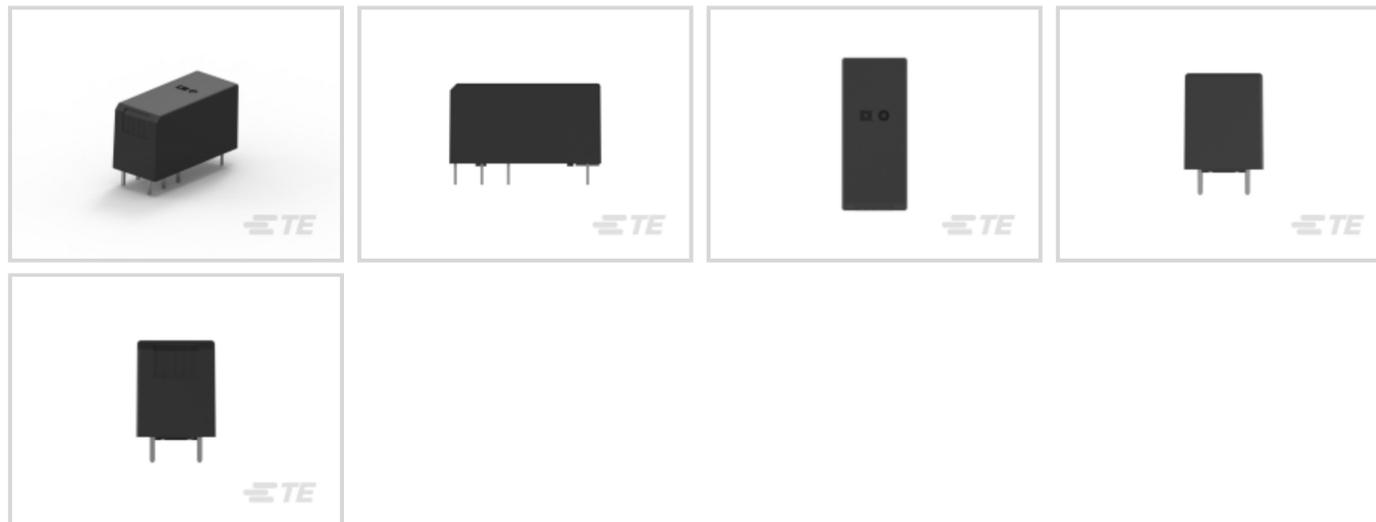
TE Internal #: 3-2158100-5

Power Relays, Standard, Monostable, DC, 530 mW Coil Power Rating DC, 1086 Ω Coil Resistance, UL Coil Insulation Class F, SCHRACK Power PCB Relay RZ

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **500 – 600 mW**

Coil Power Rating DC: **530 mW**

Coil Resistance: **1086 Ω**

Features

Product Type Features

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

Configuration Features

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|------------------|--------|
| Output Switching | Random |
|------------------|--------|

Electrical Characteristics

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|--|----------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 4000 V |
| Actuating System | DC |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Coil Power Rating | .53 W |
| Insulation Creepage Class | 8 mm |
| Contact Limiting Making Current | 30 A |
| Insulation Creepage Between Contact & Coil | 10 mm[.394 in] |
| Contact Limiting Continuous Current | 16 A |
| Insulation Initial Dielectric Between Contacts & Coil | 5000 Vrms |
| Contact Limiting Breaking Current | 16 A |



| | |
|---------------------------------|----------------------------|
| Coil Current | .022 A |
| Coil Magnetic System | Monostable, DC |
| Coil Power Rating Class | 500 – 600 mW |
| Coil Power Rating DC | 530 mW |
| Coil Resistance | 1086 Ω |
| 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

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|-----------------------------|-------------------------------------|
| Insulation Special Features | Tracking Index of Relay Base PTI250 |
| Product Weight | 10 g[.353 oz] |

Contact Features

| | |
|------------------------------|-----------------|
| Contact Plating Material | Silver Nickel |
| Switch Arrangement | (2) x 1 Form C |
| Contact Special Features | Single Contact |
| Contact Arrangement | 1 Form C (CO) |
| Contact Current Class | 10 – 20 A, 16 A |
| Contact Current Rating (Max) | 16 A |
| Contact Material | AgNi90/10 |
| Contact Number of Poles | 1 |
| Relay Terminal Type | PCB-THT |

Termination Features

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|------------------------|---------------------------|
| Relay Termination Type | Printed Circuit Terminals |
|------------------------|---------------------------|

Mechanical Attachment

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

Dimensions

| | |
|---|----------------|
| Length Class (Mechanical) | 25 – 30 mm |
| Base Dimensions | 29 x 12.7 mm |
| Height Class (Mechanical) | 15 – 16 mm |
| Insulation Clearance Between Contact & Coil | 10 mm[.394 in] |



| | |
|----------------------------|------------------|
| Insulation Clearance Class | 8 mm |
| Width Class (Mechanical) | 12 – 16 mm |
| Product Width | 12.7 mm[.5 in] |
| Product Length | 29 mm[1.142 in] |
| Product Height | 15.7 mm[.618 in] |

Usage Conditions

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|---|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
| Environmental Ambient Temperature Class | -20 – 70 °C |

Packaging Features

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|------------------|------------|
| Packaging Method | Box & 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

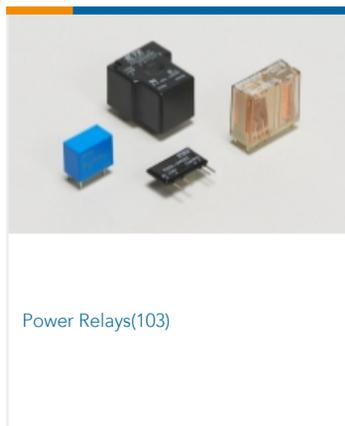
Product Compliance Disclaimer

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



Also in the Series | SCHRACK Power PCB Relay RZ



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_3-2158100-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2158100-5_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2158100-5_B.2d_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

[RZL](#)

English

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English