

8-1415077-1 ✓ ACTIVE

SCHRACK | SCHRACK Miniature Power PCB Relay PB

TE Internal #: 8-1415077-1

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 10 A Contact Rating, 9 VDC Coil Voltage, SCHRACK Miniature Power PCB Relay PB

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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

Contact Features

Contact Material	AgNi90/10
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Dimensions

Insulation Clearance Between Contact & Coil	3 mm[.118 in]
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Insulation Creepage Between Contact & Coil	4 mm[.157 in]
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Product Width	15 mm[.59 in]
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Product Length	15 mm[.59 in]
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Product Height	20 mm[.787 in]
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Packaging Features

Packaging Method	Tube
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Other

Coil Power Rating Class	.3 – .4 W
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Contact Current Class	16 A
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Environmental Ambient Temperature Class	70 – 85 °C
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Height Class (Mechanical)	16 – 20 mm
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Length Class (Mechanical)	14 – 16 mm
Width Class (Mechanical)	12 – 16 mm
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Usage Conditions

Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Body Features

Product Weight	5.4 g[.19 oz]
Enclosure Type	Flux Resistant Automatic Soldering

Electrical Characteristics

Contact Limiting Short-Time Current	10 A
Contact Limiting Making Current	15 A
Contact Limiting Continuous Current	10 A
Contact Limiting Breaking Current	10 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	225 Ω
Contact Current Rating	10 A
Coil Voltage Rating	9 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.36 W
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms

Configuration Features

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

Operation/Application

Solder Process	Wave Solder
Current Type	DC
Coil Magnetic System	Monostable

Product Type Features



Relay & Contactor Type	General Purpose Power Relay
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Termination Features

Main Termination & Connection Type	Solder Pins
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Coil Termination & Connection Type	Solder Pins
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Mechanical Attachment

Product Mount Type	Board Mount
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 Miniature Power PCB Relay PB**



Customers Also Bought



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_8-1415077-1_B1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-1415077-1_B1.2d_dxf.zip](#)

English



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_8-1415077-1_B1.3d_igs.zip](#)

English

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

Datasheets & Catalog Pages

[Definitions General Purpose Relays](#)

English

[Miniature Power PCB Relay PB](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English

Agency Approvals

[VDE Certificate](#)

English