



SCHRACK | SCHRACK Miniature Relay PT

TE Internal #: 5-1419111-3

General Purpose Power Relay, DC, Monostable, 2 Form C DPDT-CO, 12 A Contact Rating, 24 VDC Coil Voltage, SCHRACK Miniature Relay PT

[View on TE.com >](#)

Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Current Type: **DC**

Contact Current Rating: **12 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	2
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	2 Form C DPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	300 A
Contact Limiting Making Current	24 A
Contact Limiting Breaking Current	12 A
Insulation Initial Dielectric Between Open Contacts	1200 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Contact Switching Voltage (Max)	400 VAC
Contact Switching Load (Min)	10mA @ 12V
Coil Resistance	777 Ω
Contact Current Rating	12 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	240 VAC



Coil Power Rating DC	.741 W
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Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
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Body Features

Product Weight	30 g[1.058 oz]
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Enclosure Type	Flux Resistant Automatic Solder Capable
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Contact Features

Contact Material	AgNi90/10
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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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Dimensions

Insulation Clearance Between Contact & Coil	3 mm
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Insulation Creepage Between Contact & Coil	4 mm[.157 in]
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Product Width	22.5 mm[.886 in]
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Product Length	28 mm[1.102 in]
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Product Height	30 mm[1.181 in]
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Usage Conditions

Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]
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Environmental Category of Protection	RTII
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Environmental Ambient Temperature (Max)	70 °C[158 °F]
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Operation/Application

Solder Process	Wave Solder Capable
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Coil Magnetic System	Monostable
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Current Type	DC
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Packaging Features

Packaging Method	Carton & Tube
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Other

Coil Power Rating Class	>.6 – ≤1 W
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Contact Current Class	>10 – ≤16 A
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Height Class (Mechanical)	>27 – ≤33 mm[>1.063 – ≤1.299 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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 # 2071566-4
PT78A2P



TE Part # 7-1415027-1
PT271006



TE Part # 5-1419111-5
PT271110

Also in the Series | **SCHRACK Miniature Relay PT**



AC Relays(43)



DC Relays(66)



Electromechanical Relays(109)



Plug-In Relays(85)

Customers Also Bought



TE Part #9-146458-0
40 MODII HDR SRST UNSHRD STKG



TE Part #160292
PLASTI-GRIP, RING, 12-10 M5



TE Part #165565-2
2,8 PIDG FASTON REC



TE Part #280381-2
10P MODU II SHRD HDR,RT ANG, 0.38 AU



TE Part #281698-3
HEADER HE14 RA 3 P



TE Part #281742-4
HEADER HE14 RA 2X4 P



TE Part #1393240-3
RT314110



TE Part #5-1879337-6
CPF 0603 9K31 1% 50PPM 1K RL



TE Part #7-1879337-1
CPF 0603 13K3 1% 50PPM 1K RL



TE Part #800144-SF
FN670-6-06



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-1419111-3_99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1419111-3_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1419111-3_99.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Miniature Relay PT

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English