



Relays & Contactors > Electromechanical Relays > PCB Power Relay: 12-16 Amp, Monostable



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **12 A**

[All PCB Power Relay: 12-16 Amp, Monostable \(75\)](#)

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	12 A
Contact Limiting Making Current	30 A
Contact Limiting Continuous Current	12 A
Contact Limiting Breaking Current	12 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	1440 Ω
Contact Current Rating	12 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.4 W



Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Body Features	
Product Weight	10 g[.353 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable
Contact Features	
Contact Material	AgSnO2
Termination Features	
Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins
Mechanical Attachment	
Product Mount Type	Board Mount
Dimensions	
Insulation Clearance Between Contact & Coil	10 mm[.394 in]
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.14 in]
Product Height	15.7 mm[.618 in]
Usage Conditions	
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operation/Application	
Solder Process	Wave Solder Capable
Current Type	DC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Carton, Tube
Other	
Coil Power Rating Class	.3 – .4 W
Contact Current Class	10 – 20 A
Environmental Ambient Temperature Class	70 – 85 °C



Height Class (Mechanical)	15 – 16 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	12 – 16 mm

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: JAN 2025 (247) 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



Also in the Series | SCHRACK Power PCB Relay RZ

A collection of various DC relays, including a large silver one and several smaller ones in different shapes and sizes.

DC Relays(83)

A collection of various electromechanical relays, including a large black one and several smaller ones in different shapes and sizes.

Electromechanical Relays(83)

A collection of various PCB relays, including a large black one and several smaller ones in different shapes and sizes.

PCB Relays(83)

Customers Also Bought

A small green surface-mount component.

TE Part #3-1879338-9
CPF 0603 66K5 1% 50PPM 1K RL

A black multi-pin connector.

TE Part #5650118-1
CONN SEC II 15 POS 100C/L R/A

A black surface-mount component with '221' printed on it.

TE Part #2-2176230-8
3522 150R 5% 3W

A black surface-mount component with '221' printed on it.

TE Part #3-2176231-1
3522 180R 1% 3W

A black multi-pin connector.

TE Part #5145274-1
CONN SEC II 13 POS 100C/L

A black multi-pin connector.

TE Part #8-1415546-7
RP314012

A black surface-mount component.

TE Part #1-1416200-5
V23061C2005A302

A yellow RJ45 connector.

TE Part #5406721-1
MJ,RJ45,SMT,GRAY,22"REEL

A black multi-pin connector.

TE Part #T4171230012-001
M12,FRONT MOUNT,MALE, A,12P, 0.2 M WIRE

A black surface-mount component.

TE Part #1-1415525-1
RY900116 (RYA51024)

Documents

- CAD Files

Customer View Model

ENG_CVM_CVM_4-1415899-0_C.3d_igs.zip

English
- Customer View Model

ENG_CVM_CVM_4-1415899-0_C.3d_stp.zip

English
- Customer View Model

ENG_CVM_CVM_4-1415899-0_C.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

Power PCB Relay RZ Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English