



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 C SPDT-CO**

Contact Current Rating: **16 A**

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

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
------------------------	-----------------------------

Configuration Features

Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	30 A
Contact Limiting Making Current	16 A
Contact Limiting Continuous Current	16 A
Contact Limiting Breaking Current	16 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Voltage (Max)	277 VAC
Contact Switching Load (Min)	100mA @ 12V
Coil Resistance	1440 Ω
Contact Current Rating	16 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	250 VDC
Coil Power Rating DC	.4 W



Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Body Features	
Enclosure Type	Flux Resistant Automatic Soldering
Contact Features	
Contact Material	AgSnO
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
Insulation Creepage Between Contact & Coil	10 mm
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.14 in]
Product Height	15.7 mm[.618 in]
Usage Conditions	
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operation/Application	
Solder Process	Wave Solder
Current Type	DC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Box & Tube
Other	
Coil Power Rating Class	.4 – .5 W
Contact Current Class	16 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 black and white ones.

DC Relays(83)

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

Electromechanical Relays(83)

A collection of various PCB relays, including several white ones and a few black and yellow ones.

PCB Relays(83)

Customers Also Bought

A 3D model of a rectangular component with a complex shape, featuring a circular opening and a small protrusion.

TE Part #1-87756-8
MOD IV RECP LP

A 3D model of a long, thin, gold-colored strip with a small circular contact point at one end.

TE Part #1658670-1
PIN CONTACT,22 DF,STRIP,22-28

A 3D model of a cylindrical, ribbed button guard.

TE Part #8-1437627-2
G12B=BUTTON GUARD BLACK

A 3D model of a long, black, rectangular component with multiple pins or contacts along one edge.

TE Part #1-102387-2
64 MODIV HSG COMP DR .100 POL

A 3D model of a small, white, cylindrical component with a circular opening at the top.

TE Part #170647-2
P.G RING UL.CSA(16-14HD)

A technical drawing showing a cross-section of a pushbutton assembly.

TE Part #1825604-1
BPA1440004=Boot,Pushbutton

A 3D model of a yellow, flexible, rectangular component, possibly a tape or strip.

TE Part #768838-000
CM-SCE-TP-1/4-4H-9

A 3D model of a small, silver, cylindrical component with a lever or switch mechanism.

TE Part #1-1437559-8
MTG206N=SWITCH TOG MUSTANG

A 3D model of a small, black, cylindrical component with a central pin or probe.

TE Part #1825100-1
TPF11CGPC004

A 3D model of a long, thin, silver-colored screw or bolt.

TE Part #747784-8
JACKSCREW KIT,4-40, BULK

Documents

- CAD Files

Customer View Model

[ENG_CVM_CVM_3-2158000-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2158000-1_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2158000-1_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