

R10-R2X2-S3.2K

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 1393769-1

General Purpose Signal Relay, DC, Monostable, 2 Form C DPDT-CO, 5 A Contact Rating, 24 VDC Coil Voltage, Potter & Brumfield R10

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Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **5 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Signal Relay
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Configuration Features

Contact Number of Poles	2
Coil Special Features	Sensitive Version
Contact Arrangement	2 Form C DPDT-CO

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	500 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Contact Switching Load (Min)	300mA @ 12V
Coil Resistance	3200 Ω
Insulation Initial Resistance	10000 MΩ
Contact Current Rating	5 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	120 VAC
Coil Power Rating DC	.18 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Body Features

Product Weight	40 g[1.41 oz]
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Enclosure Type	Flux Resistant Automatic Solder Capable & Washable
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Contact Features

Contact Material	Silver Cadmium Oxide
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Termination Features

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

Mechanical Attachment

Product Mount Type	Board Mount
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Dimensions

Product Width	18.66 mm[.734 in]
Product Length	24.13 mm[.95 in]
Product Height	29.97 mm[1.17 in]

Usage Conditions

Operating Temperature Range	-55 – 75 °C[-67 – 167 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	75 °C[167 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Package
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Other

Coil Power Rating Class	.15 – .2 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	30 – 40 mm
Length Class (Mechanical)	20 – 25 mm
Width Class (Mechanical)	16 – 20 mm

Product Compliance

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



EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<div>Current ECHA Candidate List: JAN 2025 (247)</div> <div>Candidate List Declared Against: JAN 2025 (247)</div> <div>SVHC > Threshold:</div> <div>Cadmium oxide (9.9% in M-3316-1)</div> <div>Article Safe Usage Statements:</div> <div>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</div>
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 260°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 | [Potter & Brumfield R10](#)

A photograph of a white AC relay with multiple green and gold pins on one side and a single black pin on the other.

AC Relays(9)

A photograph of three DC relays: one is a large silver rectangular unit, and two are smaller silver units with different pin configurations.

DC Relays(96)

A photograph of various electromechanical relays, including a large black one, a small blue one, and a red one.

Electromechanical Relays(105)

A photograph of several general purpose signal relays in different colors (black, white, tan) and sizes.

General Purpose Signal Relays(105)

A photograph of various PCB headers and receptacles in black and white.

PCB Headers & Receptacles(1)

A photograph of several plug-in relays in different colors (black, white, tan) and sizes.

Plug-In Relays(77)

A photograph of various relay accessories, including small black and white components.

Relay Accessories(27)

Customers Also Bought

A photograph of a long, thin, black component, likely a bracket.

TE Part #2-1879445-4
TE 120W 82R 5% Bracket

A photograph of a long, thin, silver component, likely a bracket.

TE Part #5822417-1
80 ME .050 VERT AU M/L RET PB-FREE

A photograph of a small black component with two pins.

TE Part #6-2176429-5
MPT100 680R 1%

A photograph of a white component with three circular openings.

TE Part #284093-9
TERMI-BLOK PCB MOUNT 90, 5,0MM

A photograph of a black component with four pins.

TE Part #5-1879659-1
H4 3K83 0.1% 15PPM

A photograph of a blue component with multiple pins.

TE Part #4-640600-1
11P MTA156 CONN ASSY 20AWG LF

A photograph of a black component with four pins.

TE Part #2-1879673-3
H8 182R 0.1% 25PPM

A photograph of a black component with multiple pins.

TE Part #3-1393763-2
V23100V4315B000

A photograph of a black component with multiple pins, labeled 'Right', 'Left', and 'No. 1 Pin'.

TE Part #4-1437175-1
FSP-22.5A

A photograph of a black component with multiple pins.

TE Part #7-1437646-5
3PCV-15-006=#3 TRIBARRIER TERM

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1393769-1_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1393769-1_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1393769-1_99.3d_stp.zip

English

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

Datasheets & Catalog Pages

R10 General Purpose Dry Circuit to 7.5 Amp Multicontact AC or DC Relay

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

CSA Certificate

English