

R10-E2Y2-115V

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 3-1393767-0

General Purpose Signal Relay, AC, Monostable, 2 Form C DPDT-CO, 3 A Contact Rating, 115 VAC Coil Voltage, Potter & Brumfield R10

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Relays & Contactors > Electromechanical Relays



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

Current Type: **AC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **3 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Signal Relay
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Configuration Features

Contact Special Features	Single Contact
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)	100mA @ 12V
Coil Resistance	9000 Ω
Coil Power Rating AC	1.47 VA
Insulation Initial Resistance	10000 MΩ
Contact Current Rating	3 A
Coil Voltage Rating	115 VAC
Contact Voltage Rating	120 VAC
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Body Features

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Product Weight	40 g[1.41 oz]
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Enclosure Type	Dust Protected
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Contact Features

Contact Material	Ag
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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

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

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

Current Type	AC
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Coil Magnetic System	Monostable
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Packaging Features

Packaging Method	Package
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Other

Contact Current Class	16 A
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Environmental Ambient Temperature Class	70 – 85 °C
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Height Class (Mechanical)	30 – 40 mm
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Length Class (Mechanical)	20 – 25 mm
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Width Class (Mechanical)	16 – 20 mm
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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
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) SVHC > Threshold: Pb (92.5% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

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



AC Relays(9)

DC Relays(96)

Electromechanical Relays(105)

General Purpose Signal Relays(105)

PCB Headers & Receptacles(1)

Plug-In Relays(77)

Relay Accessories(27)

Customers Also Bought

TE Part #CAT-P592-R472A
PIDG Ring Tongue Terminals

TE Part #5-1617753-9
FCA-325-CX3

TE Part #34119
TERMINAL,SOLIS R 16-14 4

TE Part #2-1617004-8
B07D634BC2-0051 = M5757/23-003

TE Part #057233-000
202D242-25/225-0

TE Part #9435730001
TMS-SCE-1K-1/8-2.0-S1-9

TE Part #EP6607-000
S01-01-R-CS4531

TE Part #601105-000
D-602-57

TE Part #Y94649-10-5PNV0040
HERM RECP

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1393767-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1393767-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1393767-0_A.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