

# R10-E1Z4-V2.5K ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

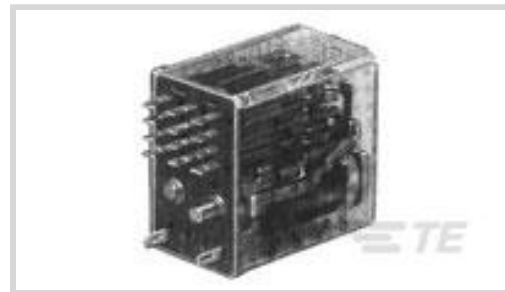
TE Internal #: 8-1393766-0

General Purpose Power Relay, DC, Monostable, 4 Form C 4PDT-CO, 2 A Contact Rating, 48 VDC Coil Voltage, Potter & Brumfield R10

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **4 Form C 4PDT-CO**

Contact Current Rating: **2 A**

## Features

### Contact Features

Contact Material	Ag
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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]

### Packaging Features

Packaging Method	Package
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### Other

Coil Power Rating Class	.8 – 1 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	30 – 40 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	16 – 20 mm
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

### 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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### Body Features

Product Weight	40 g[1.41 oz]
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Enclosure Type	Dust Protected
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### Mechanical Attachment

Product Mounting Feature Type	Mounting Studs
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Product Mount Type	Panel & Socket Mount
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### Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	500 Vrms
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Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
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Contact Switching Load (Min)	1mA @ 12V
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Coil Resistance	2500 Ω
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Insulation Initial Resistance	10000 MΩ
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Contact Current Rating	2 A
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Coil Voltage Rating	48 VDC
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Contact Voltage Rating	120 VAC
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Coil Power Rating DC	.9 W
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Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
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### Configuration Features

Contact Special Features	Bifurcated/Twin Contacts
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Contact Number of Poles	4
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Coil Special Features	Sensitive Version
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Contact Arrangement	4 Form C 4PDT-CO
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### Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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### Operation/Application

Current Type	DC
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Coil Magnetic System	Monostable
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### 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 with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JAN 2023 (233)</p> <p>SVHC &gt; Threshold:</p> <p>Pb (3.7% in Component Part)</p> <p><b>Article Safe Usage Statements:</b> 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.</p>
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

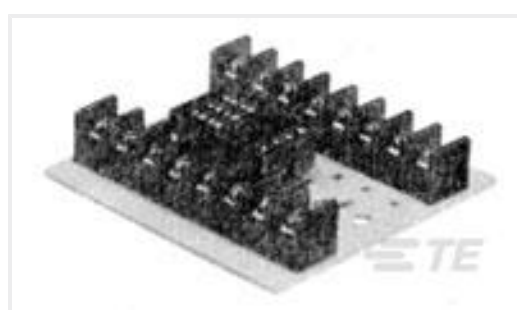
Product Compliance Disclaimer

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



TE Part # 1-1393143-2  
27E129=SOCKET,R10,16,PC,PHEN



TE Part # 4-1393143-4  
27E461=SOCKET,R10,4POLE,TRACK-MNT,SCREW



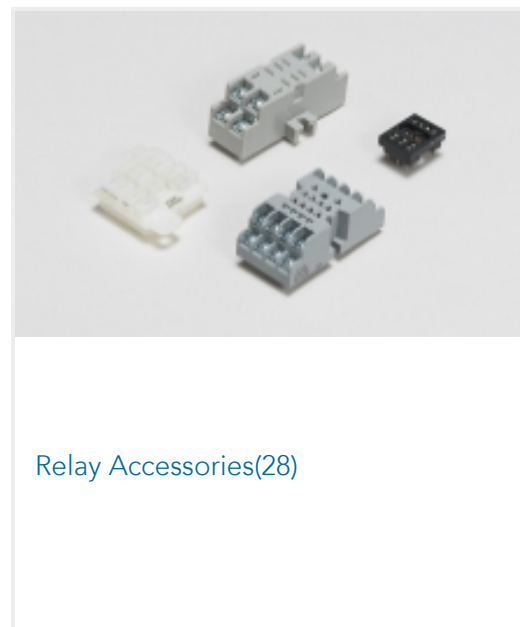
TE Part # 2-1393143-5  
27E213=SOCKET,R10,16,PC,PHEN



TE Part # 2-1393143-2  
27E194=SOCKET,R10,16,PC,PHEN

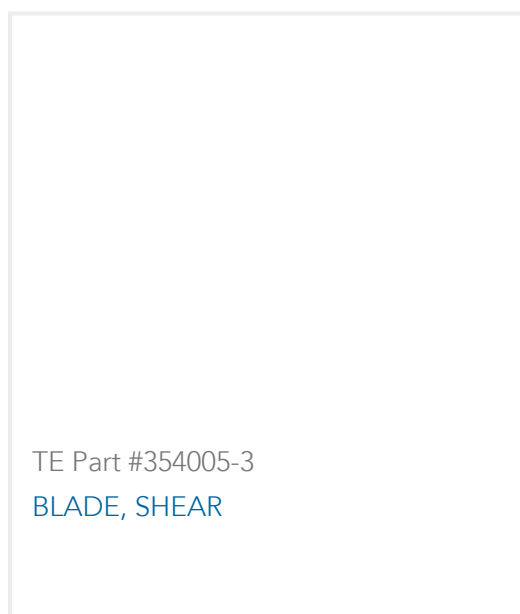


## Also in the Series | Potter & Brumfield R10



## Customers Also Bought





## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1393766-0\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1393766-0\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1393766-0\\_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