

**R10-E1X2-S800** ACTIVE**Potter & Brumfield | Potter & Brumfield R10**

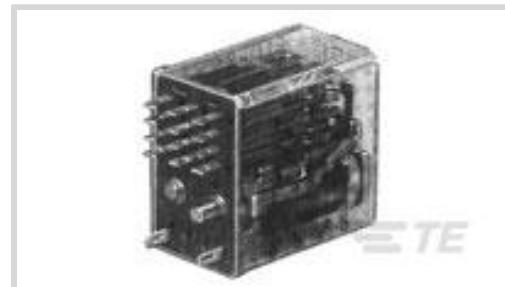
TE Internal #: 1393766-3

Power Relays, Industrial Panel Plug-In, Monostable, 180 mW Coil

Power Rating DC, 800 Ω Coil Resistance, Sensitive Version, Potter &amp; Brumfield R10

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Relays &amp; Contactors &gt; Relays &gt; Power Relays

Relay Type: **Industrial Panel Plug-In**Coil Magnetic System: **Monostable**Coil Power Rating DC: **180 mW**Coil Resistance: **800 Ω**Coil Special Features: **Sensitive Version**

## Features

### Product Type Features

Relay Type	Industrial Panel Plug-In
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### Configuration Features

Coil Special Features	Sensitive Version
Contact Arrangement	2 Form C (CO)
Contact Number of Poles	2

### Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Resistance	10000 MΩ
Coil Power Rating DC	180 mW
Coil Resistance	800 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	5 A
Contact Switching Load (Min)	300mA @ 12V
Contact Voltage Rating	120 VAC

### Body Features

Product Weight	40 g[1.41 oz]
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### Contact Features

Contact Material	AgCdO
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### Termination Features

Relay Connection Type	Plug-In
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### Mechanical Attachment

Product Mounting Feature Type	Mounting Studs
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Product Mount Type	Socket
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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

Environmental Ambient Temperature (Max)	75 °C[167 °F]
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Operating Temperature Range	-55 - 75 °C
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### Operation/Application

Actuating System	DC
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Coil Magnetic System	Monostable
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### Packaging Features

Packaging Method	Package
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### Other

Length Class (Mechanical)	25 - 30 mm
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Environmental Ambient Temperature Class	70 - 85 °C
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Insulation Initial Dielectric Between Coil & Contact Class	500 - 1000 V
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Height Class (Mechanical)	30 - 40 mm
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Coil Power Rating Class	150 - 200 mW
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Width Class (Mechanical)	16 - 20 mm
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Contact Current Class	16 A
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2024  
(240)Candidate List Declared Against: JUNE  
2023 (235)SVHC > Threshold:  
Cadmium oxide (9.9% in Component Part)  
Pb (3.7% in Component Part)

**Article Safe Usage Statements:**  
Use personal protective equipment as required. 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

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>

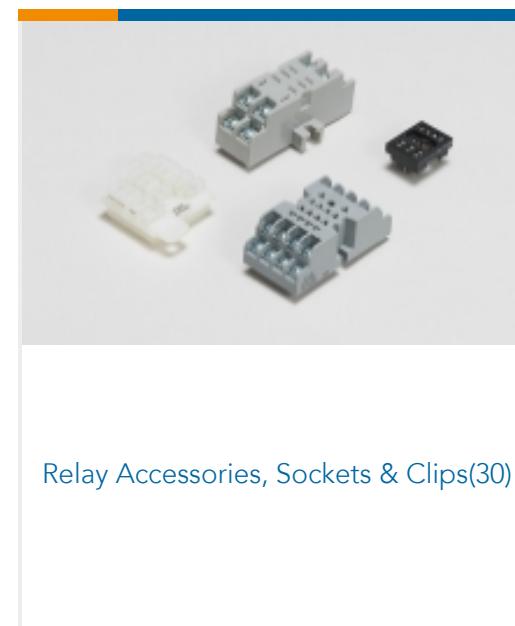
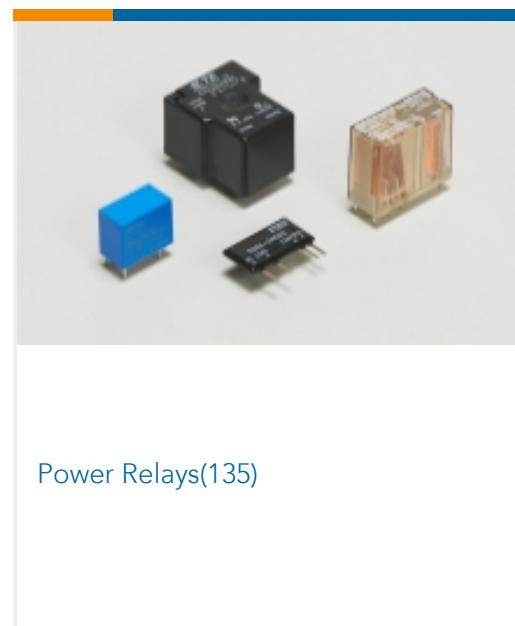
## Compatible Parts

TE Part # 1393143-8  
27E125=SOCKET,R10,10,SLG,PHETE Part # 1-1393143-1  
27E128=SOCKET,R10,10,PC,PHENTE Part # 2-1393143-4  
27E212=SOCKET,R10,10,PC,PHENTE Part # 1393837-1  
27E460=SOCKET,R10,2POLE,TRACK-MNT,SCREWTE Part # 2-1393143-1  
27E193=SOCKET,R10,11,PC,PHENTE Part # 3-1393143-4  
27E317=SOCKET,R10,2POLE,W/BRACKETTE Part # 4-1393143-1  
27E446=SOCKET,R10,2POLE,FLG-MNT,SOLDERTE Part # 5-1393143-0  
27E636=SOCKET,R10,2POLE,PCB,210

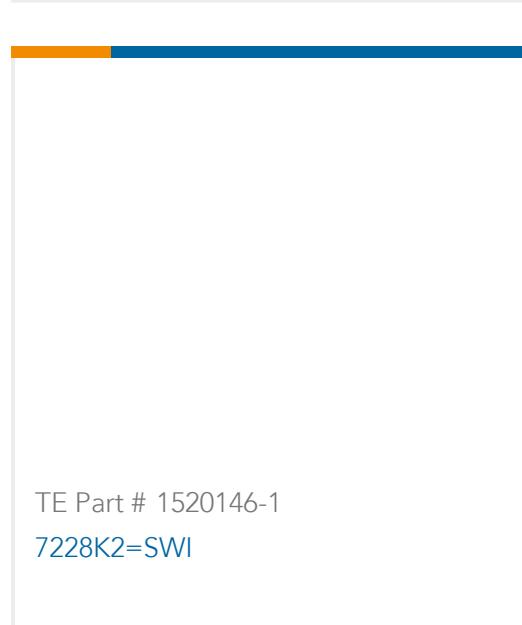
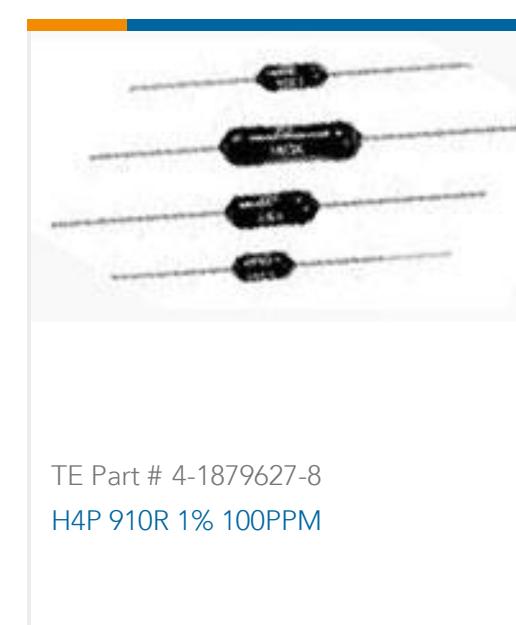


## Also in the Series

## Potter &amp; Brumfield R10



## Customers Also Bought



## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1393766-3\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1393766-3\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1393766-3\\_A.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[R10 General Purpose Dry Circuit to 7.5 Amp Multicontact AC or DC Relay](#)

English

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### Product Specifications

[Definitions General Purpose Relays](#)

English

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### Agency Approvals

[CSA Certificate](#)

English