

R10-E1X4-V185 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 1-1393766-4

Power Relays, Industrial Panel Plug-In, Monostable, DC, 900 mW

Coil Power Rating DC, 185 Ω Coil Resistance, Sensitive Version,

Potter & Brumfield R10

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **800 – 1000 mW**

Coil Power Rating DC: **900 mW**

Coil Resistance: **185 Ω**

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	500 – 1000 V
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	5 A
Contact Limiting Short-Time Current	5 A
Contact Limiting Continuous Current	5 A
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Resistance	10000 M Ω
Contact Limiting Breaking Current	5 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	800 – 1000 mW
Coil Power Rating DC	900 mW
Coil Resistance	185 Ω
Coil Special Features	Sensitive Version
Coil Voltage Rating	12 VDC



Contact Switching Load (Min)	300mA @ 12V
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Contact Voltage Rating	120 VAC
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Body Features

Product Weight	40 g[1.41 oz]
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Contact Features

Contact Arrangement	4 Form C (CO)
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Contact Current Class	5 – 10 A, 16 A
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Contact Current Rating (Max)	5 A
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Contact Material	AgCdO
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Contact Number of Poles	4
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Relay Terminal Type	Plug-In, Solder
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Mechanical Attachment

Relay Mounting Type	Socket
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Dimensions

Length Class (Mechanical)	25 – 30 mm
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Height Class (Mechanical)	30 – 40 mm
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Width Class (Mechanical)	16 – 20 mm
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Product Width	18.7 mm[.736 in]
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Product Length	29.6 mm[1.165 in]
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Product Height	30.2 mm[1.189 in]
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Usage Conditions

Environmental Ambient Temperature Class	70 – 85 °C
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Environmental Ambient Temperature (Max)	75 °C[167 °F]
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Operating Temperature Range	-55 – 75 °C
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Packaging Features

Packaging Method	Package
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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
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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
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022
(224)

Candidate List Declared Against: JAN 2021
(211)

SVHC > Threshold:

Cadmium oxide (7.95% in Component Part)

Article Safe Usage Statements:

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.

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 # 1393143-9
27E126=SOCKET,R10,16,SLG,PHE



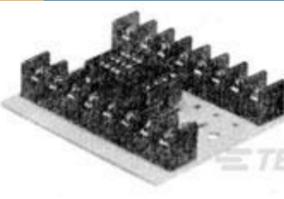
TE Part # 1-1393143-5
27E152=SOCKET,R10,ASSY,W/BRK



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



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



TE Part # 4-1393143-4
27E461=SOCKETS



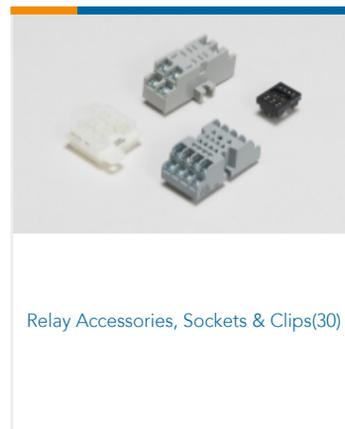
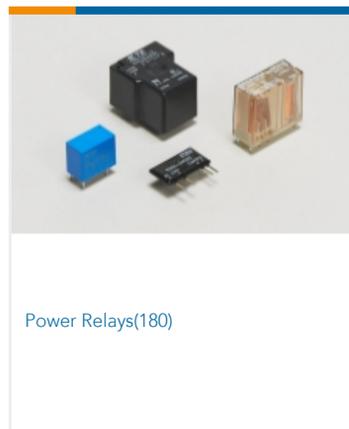
TE Part # 5-1393143-1
27E637=SOCKETS



TE Part # 1-1393767-7
R10-E2X4-V185=R10



Also in the Series | Potter & Brumfield R10



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1393766-4_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1393766-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1393766-4_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, Handling, Processing, Testing and Use of Relays](#)

English