

R10-E1M4-V700

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 6-1393765-0

General Purpose Power Relay, DC, Monostable, 4 Form C 4PDT-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 Power Relay**

Coil Magnetic System: **Monostable**

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

Current Type: **DC**

Contact Current Rating: **5 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Configuration Features

Contact Arrangement	4 Form C 4PDT-CO
Contact Special Features	Bifurcated/Twin Contacts
Contact Number of Poles	4

Electrical Characteristics

Contact Current Rating	5 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	120 VAC
Coil Power Rating DC	.9 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Contact Limiting Short-Time Current	5 A
Contact Limiting Making Current	5 A
Contact Limiting Continuous Current	5 A
Contact Limiting Breaking Current	5 A



Insulation Initial Dielectric Between Open Contacts	500 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Contact Switching Load (Min)	300mA @ 12V
Coil Resistance	700 Ω
Insulation Initial Resistance	10000 M Ω

Mechanical Attachment

Product Mount Type	Panel & Socket
Product Mounting Feature Type	Mounting Studs

Body Features

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

Usage Conditions

Environmental Ambient Temperature (Max)	75 $^{\circ}$ C[167 $^{\circ}$ F]
Operating Temperature Range	-55 – 75 $^{\circ}$ C[-67 – 167 $^{\circ}$ F]
Environmental Category of Protection	RTI

Other

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
Coil Power Rating Class	.8 – 1 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 $^{\circ}$ C

Contact Features

Contact Material	AgCdO
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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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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	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Cadmium oxide (7.95% 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 # 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

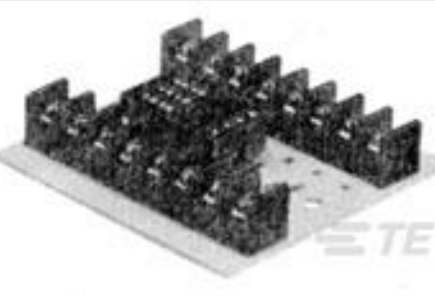


TE Part # 2-1393143-2
27E194=SOCKET,R10,16,PC,PHEN






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



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



TE Part # 5-1393143-1
27E637=SOCKET,R10,4POLE,PCB,.210



TE Part # 4-1393143-8
27E629=SOCKET,R10,4POLE,PCB,.180

Also in the Series

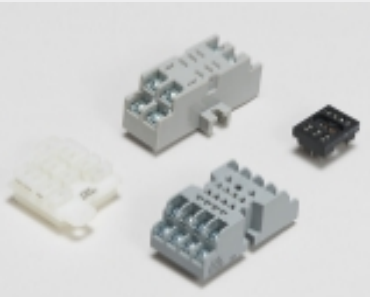
Potter & Brumfield R10



Electromechanical Relays(105)



PCB Headers & Receptacles(1)

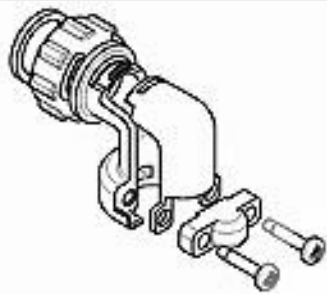


Relay Accessories(28)

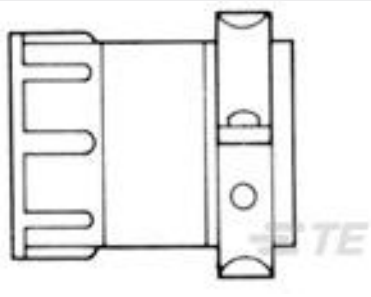
Customers Also Bought



TE Part #3-641127-4
04P MTA100 HDR ASSY FL/RA LF



TE Part #1546348-2
R/A CABLE CLAMP KIT,SZ 13,CPC



TE Part #207008-5
CABLE CLAMP, SIZE 13



TE Part #211399-1
CPC PLUG ASSEMBLY SIZE 13-7



TE Part #3-1437653-5
6PCV-10-006=6PCV ASSEMBLY



TE Part #1-66101-9
III+ SKT,18-16,TIN ,LP

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_6-1393765-0_A.2d_dxf.zip
- English



Customer View Model

[ENG_CVM_CVM_6-1393765-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1393765-0_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