

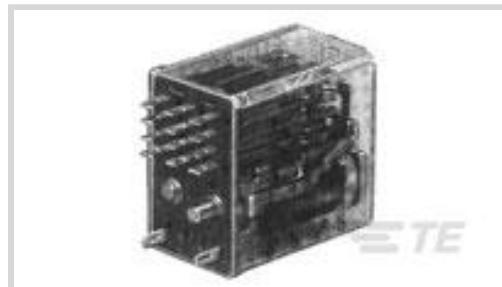
Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 6-1393768-9

TE Internal Description: R10-E7P4-J1.0K=R10

[View on TE.com >](#)

Relays & Contactors > Relays > Power Relays



Relay Type: Industrial Panel Plug-In

Coil Magnetic System: Monostable

Coil Power Rating DC: 175 mW

Coil Resistance: 1000 Ω

Coil Special Features: Sensitive Version

Features

Product Type Features

Relay Type	Industrial Panel Plug-In
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Configuration Features

Contact Special Features	Bifurcated/Twin Contacts
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Coil Special Features	Sensitive Version
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Contact Arrangement	4 Form C (CO)
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Contact Number of Poles	4
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Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
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Insulation Initial Dielectric Between Open Contacts	500 Vrms
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Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
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Insulation Initial Resistance	10000 MΩ
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Coil Power Rating DC	175 mW
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Coil Resistance	1000 Ω
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Contact Current Rating	3 A
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Contact Switching Load (Min)	0mA @ 0V
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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 Plating Material	Gold
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Contact Material	Ag
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Termination Features

Relay Connection Type	Plug-In
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Terminal Configuration	Solder Pins
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Mechanical Attachment

Product Mount Type	Printed Circuit Board
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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	30.48 mm[1.2 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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Insulation Initial Dielectric Between Coil & Contact Class	500 - 1000 V
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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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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>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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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 2024
(240)

Candidate List Declared Against: JAN 2023
(233)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 260°C

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



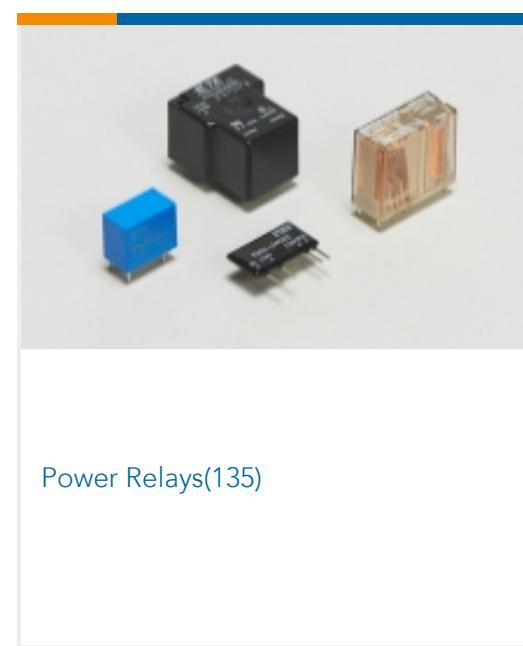
TE Part # 7-1393766-6
R10-E1Z4-J1.0K=R10

Also in the Series

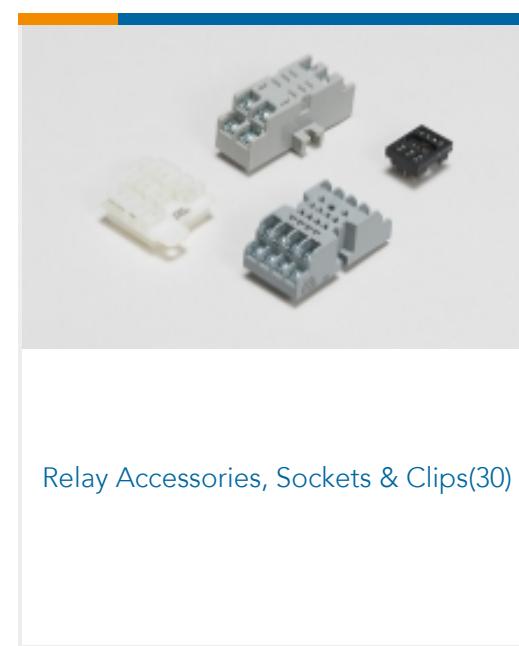
Potter & Brumfield R10



PCB Headers & Receptacles(1)



Power Relays(135)



Relay Accessories, Sockets & Clips(30)

Customers Also Bought



TE Part # 5747842-4
25 MSFL PLUG RA 318 (IN,FM,BL)



TE Part # 770024-1
02P UMLNII IN-LINE CAP HSG KIT



TE Part # 770020-1
06P UMLNII IN-LNE PLUG HSG KIT



TE Part # 1903977-1
SLIM UPM 4POS. R/A HDR ASSEMBL

Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-1393768-9_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1393768-9_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1393768-9_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