

R10-R2Y3-S450 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

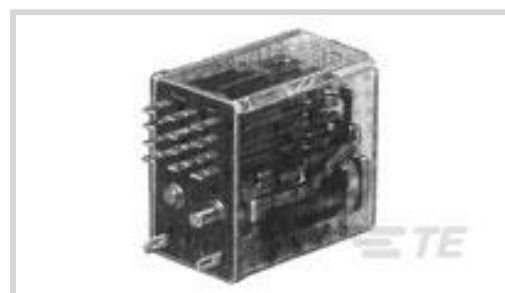
TE Internal #: 1419149-6

Potter & Brumfield R10, Power Relays, Industrial Panel Plug-In, Monostable, DC, 300 – 400mW Coil Power Rating Class, 350mW Coil Power Rating DC

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Relays, Contactors & Switches > Relays > Power Relays



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

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **300 – 400 mW**

Coil Power Rating DC: **350 mW**

Coil Resistance: **450 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
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Resistance	10000 M Ω
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	300 – 400 mW
Coil Power Rating DC	350 mW
Coil Resistance	450 Ω
Coil Special Features	UL Coil Insulation Class B
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	100mA @ 12V
Contact Voltage Rating	120 VAC

Body Features

Product Weight	40 g[1.41 oz]
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Contact Features

Contact Arrangement	3 Form C (CO)
Contact Current Class	2 – 5 A, 16 A
Contact Current Rating (Max)	3 A
Contact Material	Ag
Contact Number of Poles	3
Relay Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	20 – 25 mm
Height Class (Mechanical)	30 – 40 mm
Width Class (Mechanical)	16 – 20 mm
Product Width	18.7 mm[.736 in]
Product Length	24.1 mm[.949 in]
Product Height	30.2 mm[1.189 in]

Usage Conditions

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

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: JUL 2021 (219) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed










Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 260°C

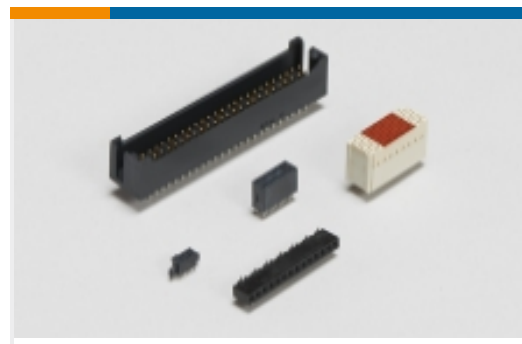
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

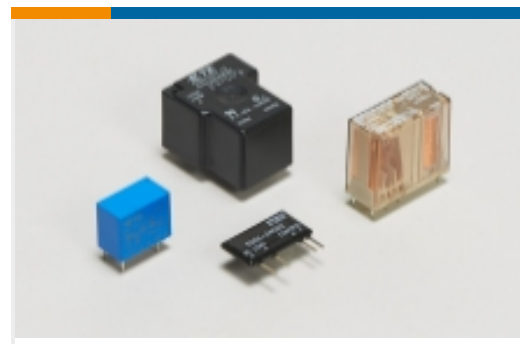
Compatible Parts

 <p>TE Part # 1-1393143-2 27E129=SOCKET,R10,16,PC,PHEN</p>	 <p>TE Part # 1393143-9 27E126=SOCKET,R10,16,SLG,PHE</p>	 <p>TE Part # 2-1393143-2 27E194=SOCKET,R10,16,PC,PHEN</p>	 <p>TE Part # 2-1393143-5 27E213=SOCKET,R10,16,PC,PHEN</p>
 <p>TE Part # 4-1393143-8 27E629=SOCKETS</p>	 <p>TE Part # 5-1393143-1 27E637=SOCKETS</p>	 <p>TE Part # 1-1393143-7 27E163=SOCKET,R10,16,SLG,PHE</p>	

Also in the Series | [Potter & Brumfield R10](#)



Board-to-Board Headers & Receptacles(1)



Power Relays(180)



Relay Accessories, Sockets & Clips(34)

Customers Also Bought



TE Part #DTT-20-03
CRIMP TOOL



TE Part #K1007153
Toggle Switch 08-1-1-13



TE Part #K1060489
Relay 29-113-12



TE Part #DRC16-70SBE-P013UK
PLG, 70P, BLK, E, SEAL BOND, B



TE Part #YHDP26-24-35PEL017
PLG, 35P, BLK, E, RNG, 16/20, P



TE Part #834936-000
MWTM-10/3-100/S(S100)



TE Part #K1002956
Toggle Switch 08-4-1-13



TE Part #K1008699
Relay 26-60-05



TE Part #HDP24-24-16SE-L015
REC, 16P, BLK, E, THD, 12, S



TE Part #SRK-PC-080-25-601
PIN, SOLID, SIZE M8, 25mm2, AG

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1419149-6_O.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1419149-6_O.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1419149-6_O.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

[Industrial Relays Quick Reference Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

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