

R10-R2Y3-S450 × OBSOLETE

Potter & Brumfield | Potter & Brumfield R10

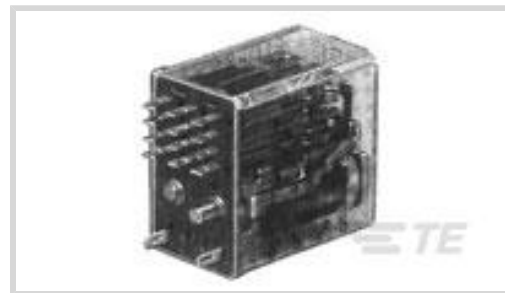
TE Internal #: 1419149-6

TE Internal Description: R10-R2Y3-S450=RELAY,GENPUR,PC,

[View on TE.com >](#)



Relays & Contactors > Relays > Power Relays



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

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **350 mW**

Coil Resistance: **450 Ω**

Coil Special Features: **UL Coil Insulation Class B**

Features

Product Type Features

| | |
|-----------------------|--------------------------|
| Power Relay Type | Industrial Panel Plug-In |
| Relay Connection Type | PCB Solder Pins |

Electrical Characteristics

| | |
|--|----------------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 500 – 1000 V |
| Insulation Initial Dielectric Between Contacts & Coil | 1000 Vrms |
| Actuating System | DC |
| Coil Power Rating Class | 300 – 400 mW |
| Insulation Initial Dielectric Between Open Contacts | 500 Vrms |
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
| Insulation Initial Resistance | 10000 MΩ |
| Coil Magnetic System | Monostable, DC |
| 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] |
|----------------|---------------|

Contact Features

| | |
|------------------------------|---------------|
| Contact Arrangement | 3 Form C (CO) |
| Contact Current Class | 16 A |
| Contact Current Rating (Max) | 3 A |
| Contact Material | Ag |
| Contact Number of Poles | 3 |

Mechanical Attachment

| | |
|--------------------|-----------------------|
| Product Mount Type | Printed Circuit Board |
|--------------------|-----------------------|

Dimensions

| | |
|---------------------------|-------------------|
| Length Class (Mechanical) | 20 – 25 mm |
| Height Class (Mechanical) | 30 – 40 mm |
| Width Class (Mechanical) | 16 – 20 mm |
| Product Width | 18.66 mm[.734 in] |
| Product Length | 24.13 mm[.95 in] |
| Product Height | 29.97 mm[1.17 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 |
|------------------|---------|

Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| 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 |

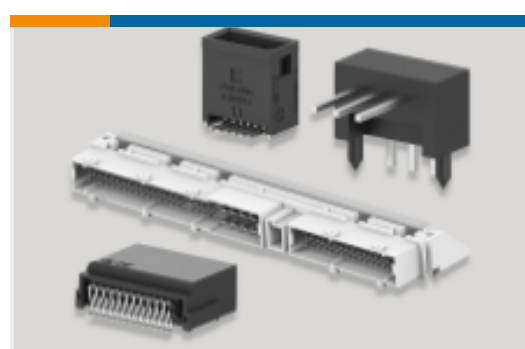
Solder Process Capability

Wave solder capable to 260°C

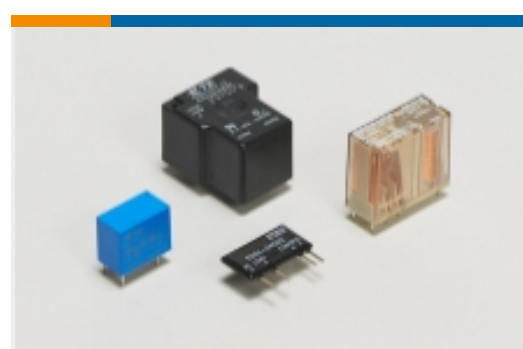
Product Compliance Disclaimer

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>

Also in the Series | **Potter & Brumfield R10**



PCB Headers & Receptacles(1)



Power Relays(179)



Relay Accessories, Sockets & Clips(30)

Customers Also Bought



TE Part #DTT-20-03
CRIMP TOOL



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



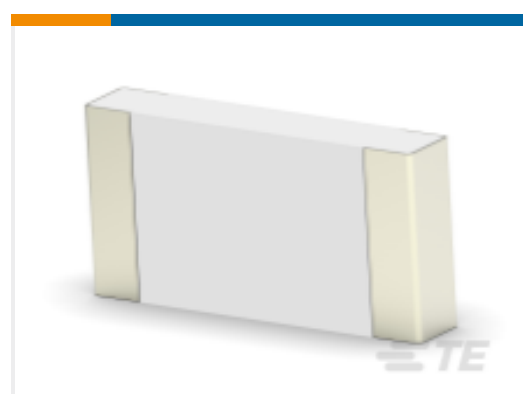
TE Part #K1007153
Toggle Switch 08-1-1-13



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 #2-2176245-2
CRGS1206 5% 56R



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



TE Part #K1008699
Relay 26-60-05



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

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

Agency Approvals

[CSA Certificate](#)

English

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[1419149-6](#)