R10-E2W2-V185 ! PENDING OBSOLESCENCE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 1393767-7

TE Internal Description: R10-E2W2-V185=R10

View on TE.com >

Relays & Contactors > Electromechanical Relays

Relay & Contactor Type: **General Purpose Signal Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Contact Current Rating: **7.5 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Signal Relay

Configuration Features

Contact Special Features	Single Contact
Contact Number of Poles	2
Coil Special Features	Sensitive Version
Contact Arrangement	2 Form C DPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	7.5 A
Contact Limiting Making Current	7.5 A
Contact Limiting Continuous Current	7.5 A
Contact Limiting Breaking Current	7.5 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	185 Ω
Insulation Initial Resistance	10000 MΩ
Contact Current Rating	7.5 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	120 VAC
Coil Power Rating DC	.9 W

Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Body Features

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

Contact Features

Contact Material	Silver Cadmium Oxide

Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount

Dimensions

Product Width	18.66 mm[.734 in]
Product Length	24.13 mm[.95 in]
Product Height	29.97 mm[1.17 in]

Usage Conditions

Operating Temperature Range	-55 – 75 °C[-67 – 167 °F]
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	75 °C[167 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Package

Other

Coil Power Rating Class	.8 – 1 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	30 – 40 mm
Length Class (Mechanical)	20 – 25 mm
Width Class (Mechanical)	16 – 20 mm

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cadmium oxide (9.91% in M-3317-1) Pb (3.7% in 74019106) **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

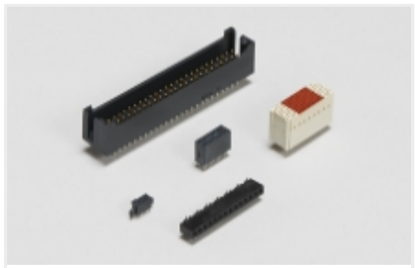
Product Compliance Disclaimer

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

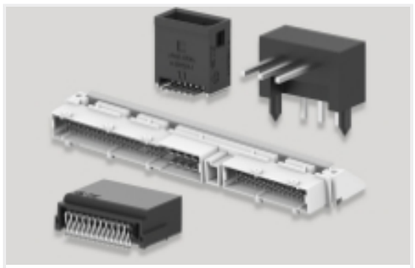
Compatible Parts

TE Part # 1-1393767-1
R10-E2X2-V185=R10

Also in the Series | Potter & Brumfield R10



Board-to-Board Headers & Receptacles(1)



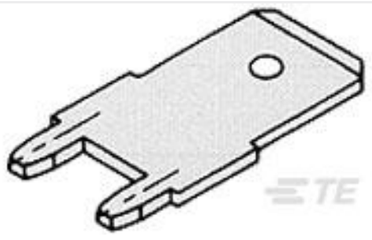
PCB Headers & Receptacles(1)

Relay Accessories(27)

Customers Also Bought

TE Part #4-2176455-0
CPF 0402 280K 0.1% 25ppm 1K RL

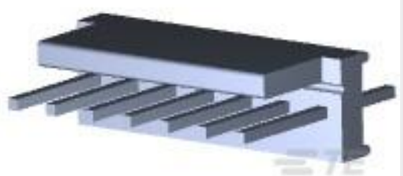
TE Part #5520258-2
MJ,TE,6P/4C,PNL STOPS,TRAY P



TE Part #62650-1
250 FASTON TAB TPBR

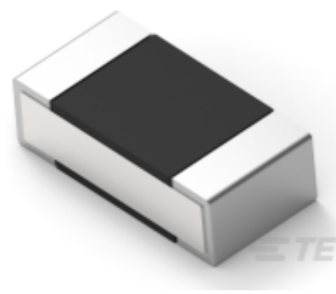
TE Part #2-2176049-8
RLP73K 1E R68 1% 1K RL

TE Part #9-1879517-4
CRGH1206 1% 47R 0.5W



TE Part #3-641213-7
07P MTA100 HDR ASSY PO/ST LF

TE Part #3-2176337-3
CRGCQ 0402 4K7 1%



TE Part #7-2176306-7
RP 1E 0.1W 7K15 0.1% 25PPM 5K RL

TE Part #9-2176307-0
RP 1E 0.1W 105K 0.1% 25PPM 5K RL

TE Part #4-1879378-4
TLR 2512 2.0W R010 1% 100PPM 2K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1393767-7_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1393767-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1393767-7_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