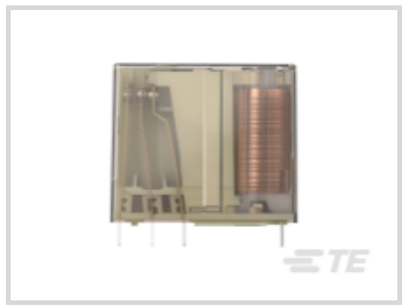
6-1415546-5 ✔ ACTIVE

TE Internal #: 6-1415546-5

Power Relays, Standard, Monostable, 500 mW Coil Power Rating DC, 985 Ω Coil Resistance, 24 VDC Coil Voltage, 2 Form C (2 CO)

View on TE.com >

Relays & Contactors > Relays > Power Relays




Relay Type: **Standard**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **500 mW**

Coil Resistance: **985 Ω**

Coil Voltage Rating: **24 VDC**

Features

Product Type Features

Relay Type	Standard

Configuration Features

Contact Arrangement	2 Form C (2 CO)
Contact Number of Poles	2

Electrical Characteristics

Coil Current	.024 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Short-Time Current	10 A
Coil Power Rating	.5 W
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Logic Voltage	24 VDC
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Contact Limiting Making Current	8 A
Contact Limiting Continuous Current	8 A
Contact Limiting Breaking Current	8 A

Coil Power Rating DC	500 mW
Coil Resistance	985 Ω
Coil Voltage Rating	24 VDC
Contact Current Rating	8 A
Contact Switching Load (Min)	100mA @ 24V
Contact Switching Voltage (Max)	300 VDC
Contact Voltage Rating	30 VDC

Body Features

Product Weight	20 g

Contact Features

Contact Plating Material	Silver Nickel
Contact Material	AgNi90/10

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board

Dimensions

Insulation Clearance Between Contact & Coil	8 mm
Insulation Creepage Between Contact & Coil	8 mm
Product Width	12.6 mm[.496 in]
Product Length	29 mm[1.14 in]
Product Height	25.5 mm[1 in]

Usage Conditions

Environmental Ambient Temperature (Max)	70 °C
Operating Temperature Range	-40 - 70 °C

Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Output Switching	Random
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Box & Tube

Other

Length Class (Mechanical)	25 - 30 mm
Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Insulation Creepage Class	8 mm
Height Class (Mechanical)	25 - 30 mm
Coil Power Rating Class	500 - 600 mW
Environmental Ambient Temperature Class	-40 - 70 °C
Insulation Clearance Class	8 mm
Width Class (Mechanical)	12 - 16 mm
Contact Current Class	5 - 10 A

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 2024 (240) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 1-1393161-9
RP28500-RETAINING CLIP



TE Part # 1860996-1
RP16C01 PLASTIC RETAINING CLIP HIGH



TE Part # 1860991-1
RT78602, RELAY SOCKET PCB 5MM

Customers Also Bought



TE Part # 5747250-6
09 MSFL PLUG RA 318 (SL,FM)



TE Part # 5-104362-3
04 MTE HDR SRST LATCH W/HLDWN



TE Part # 176976-1
AMP UNIVERSAL POWER PLG 3C PCB



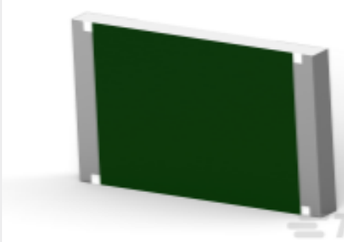
TE Part # 3-1393240-3
RT33L012



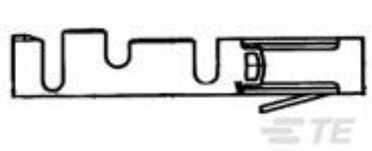
TE Part # 1676639-2
RN 0805 10R 0.1% 10PPM 1K RL



TE Part # 1676246-2
RN 0805 1K96 0.1% 10PPM 1KRL



TE Part # 1-2176406-2
3560 3R0 1%



TE Part # 182206-2
MOD 2 TERMINAL

TE Part # 9-1393239-7
RT314018

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1415546-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1415546-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1415546-5_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

PCB Accessories Industrial Power Relays

English

Power PCB Relay RPII/2

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English