RP412012 ✔ ACTIVE

TE Internal #: 1-1393231-1

Power Relays, General Purpose Power Relay, Monostable, 500 mW Coil Power Rating DC, 270 Ω Coil Resistance, 12 VDC Coil Voltage, 1 Form C (CO)

View on TE.com >

Relays & Contactors > Relays > Power Relays

Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **500 mW**

Coil Resistance: **270 Ω**

Coil Voltage Rating: **12 VDC**

Features

Product Type Features

Relay Type	General Purpose Power Relay

Configuration Features

Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1

Electrical Characteristics

Coil Current	.044 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	16 A
Coil Power Rating	.5 W
Contact Limiting Continuous Current	8 A
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Coil Power Rating DC	500 mW
Coil Resistance	270 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	8 A
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

Product Weight	18 g[.635 oz]

Contact Features

Contact Plating Material	Silver Nickel
Contact Material	AgNi0.15

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[.315 in]
Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Product Width	12.6 mm[.496 in]
Product Length	29 mm[1.14 in]
Product Height	25.5 mm[1 in]

Usage Conditions

Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	70 °C[158 °F]
Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]

Operation/Application

Actuating System	DC
Solder Process	Wave Solder
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
Environmental Ambient Temperature Class	-40 – 70 °C
Height Class (Mechanical)	25 – 30 mm
Coil Power Rating Class	500 – 600 mW
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	Wave solder capable to 265°C

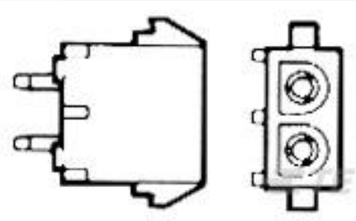
Compatible Parts

TE Part # 1860990-1
RT78601, RELAY SOCKET PCB 3.5MM

Customers Also Bought

Power Relays, General Purpose Power Relay, Monostable, 500 mW Coil Power Rating DC, 270 Ω Coil Resistance, 12 VDC Coil Voltage, 1 Form C (CO)

TE Part #5-1393239-4
RT214012



TE Part #350789-3
03P UMNL PIN HDR ASSY 94VO

TE Part #5520257-2
MJ,TE,4P,PNL STOPS

TE Part #1-1393238-9
RTB14024

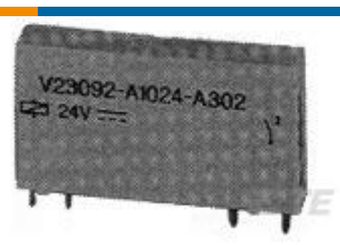
TE Part #4-1393240-5
RT334012

TE Part #1393243-1
RTE24005

TE Part #1415039-1
RTH34024

TE Part #4-1393224-3
RY211006

TE Part #8-2176412-6
5W XSM M/OX 5% 18K



TE Part #5-1393236-7
V23092-A1905-A301

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1393231-1_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1393231-1_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1393231-1_A.3d_stp.zip

English

Datasheets & Catalog Pages

Power PCB Relay RPII/1

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English