RP412012 ✔ ACTIVE

TE Internal #: 1-1393231-1

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 8 A Contact Rating, 12 VDC Coil Voltage, 250 VAC Contact Voltage, .5 W Coil Power

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Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Current Type: **DC**

Contact Current Rating: **8 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay

Configuration Features

Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

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

Body Features

Product Weight	18 g[.635 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable

Contact Features

Contact Material	AgNi0.15

Termination Features

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

Mechanical Attachment

Product Mount Type	Board Mount

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[1.141 in]
Product Height	25.5 mm[1 in]

Usage Conditions

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

Operation/Application

Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Box & Tube

Other

Coil Power Rating Class	>.3 – ≤.6 W
Contact Current Class	>5 – ≤10 A
Height Class (Mechanical)	>22 – ≤27 mm[>.866 – ≤1.063 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>11 – ≤14 mm[>.433 – ≤.551 in]

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in 10539788067) **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

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 # 1860990-1
RT78601, RELAY SOCKET PCB 3.5MM

Customers Also Bought



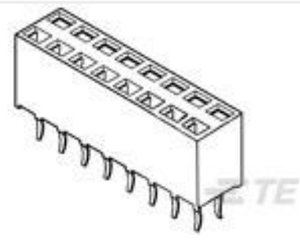
TE Part #61-0004-011-P00
CONTACT PIN 1 MM



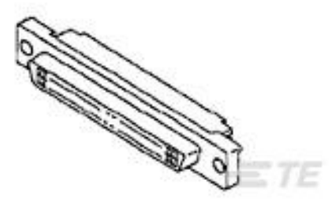
TE Part #CGE271N00000051000
940 RECEPTACLE ANGLED, ROTATABLE,SP-READY



TE Part #BFC106N00000107000
923 RECEPTACLE, ANGLED



TE Part #2-215307-0
2X20P HV100 REC CON. TE, 7.0MM



TE Part #749877-7
68 50SR PANEL MOUNT RCPT



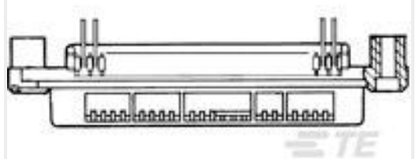
TE Part #2-1393236-1
V23092-A1024-A201



TE Part #8-1415546-7
RP314012



TE Part #2176503-8
CJP 80W 2R2 5% Lead



TE Part #5552246-1
ASSY, RCPT, 64 POS, VERT MTG



TE Part #7-1393788-3
V23079F1101B301

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

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

Datasheets & Catalog Pages

Power PCB Relay RPII/1

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English