



Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **12 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

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

Electrical Characteristics

Contact Limiting Making Current	20 A
Contact Limiting Continuous Current	12 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	1100 Ω
Contact Current Rating	12 A
Coil Voltage Rating	24 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 Soldering
Contact Features	
Contact Material	AgNi90/10
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
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	
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
Current Type	DC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Carton
Other	
Coil Power Rating Class	.5 – .6 W, .4 – .5 W
Contact Current Class	10 – 15 A
Environmental Ambient Temperature Class	50 – 70 °C



Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	12 – 16 mm

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 1860996-1
RP16C01 PLASTIC RETAINING CLIP
HIGH



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



TE Part # 1-1393161-9
RP28500-RETAINING CLIP

Customers Also Bought



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



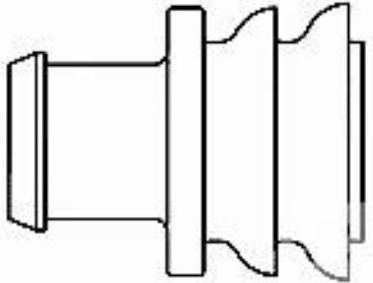
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1415547-7_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1415547-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1415547-7_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

PCB Accessories Industrial Power Relays

English



Power PCB Relay RPII/1

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English