



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**
Coil Magnetic System: **Monostable, DC**
Coil Power Rating Class: **500 – 600 mW**
Coil Power Rating DC: **500 mW**
Coil Resistance: **256 Ω**

Features

Product Type Features

Power Relay Type	Standard
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Configuration Features

Output Switching	Random
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	16 A
Insulation Creepage Between Contact & Coil	8 mm
Contact Limiting Short-Time Current	16 A
Coil Power Rating	.5 W
Contact Limiting Continuous Current	16 A
Insulation Creepage Class	8 mm



Logic Voltage	12 VDC
Contact Limiting Breaking Current	16 A
Coil Current	.047 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	500 – 600 mW
Coil Power Rating DC	500 mW
Coil Resistance	256 Ω
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	100mA @ 24V
Contact Switching Voltage (Max)	300 VDC
Contact Voltage Rating	30 VDC

Body Features

Product Weight	18 g
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Contact Features

Contact Plating Material	Silver Nickel
Contact Arrangement	1 Form C (CO)
Contact Current Class	15 – 20 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Printed Circuit Terminals
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	25 – 30 mm
Base Dimensions	29x12.6 mm
Dimensions (L x W x H) (Approximate)	29 x 12.6 x 25.5 mm
Insulation Clearance Class	8 mm
Height Class (Mechanical)	25 – 30 mm
Insulation Clearance Between Contact & Coil	8 mm



Width Class (Mechanical)	12 – 16 mm
Product Width	12.6 mm
Product Length	29 mm
Product Height	25.5 mm

Usage Conditions

Environmental Ambient Temperature (Max)	70 °C
Environmental Ambient Temperature Class	-40 – 70 °C
Environmental Category of Protection	RTII
Operating Temperature Range	-40 – 70 °C

Packaging Features

Packaging Method	Box & Tube
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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: JUN 2020 (209) Not Yet Reviewed
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



Compatible Parts



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



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



TE Model / Part # 1860996-1
RP16C01 PLASTIC RETAINING CLIP
HIGH

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-1415546-7_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-1415546-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1415546-7_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

Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions Relays

English

Agency Approvals

VDE Certificate

English

