

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**

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **8 A**

### Features

#### Contact Features

Contact Material	AgNi0.15
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#### 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]

#### Packaging Features

Packaging Method	Box & Tube
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#### Other

Coil Power Rating Class	.5 – .6 W
Contact Current Class	5 – 10 A
Environmental Ambient Temperature Class	-40 – 70 °C
Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	12 – 16 mm
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Usage Conditions



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

Product Weight	18 g[.635 oz]
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Enclosure Type	Flux Resistant Automatic Soldering
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### Electrical Characteristics

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

Contact Number of Poles	1
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Contact Arrangement	1 Form C SPDT-CO
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### Operation/Application

Solder Process	Wave Solder
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Current Type	DC
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Coil Magnetic System	Monostable
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### Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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### Termination Features

Main Termination & Connection Type	Solder Pins
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Coil Termination & Connection Type	Solder Pins
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### Mechanical Attachment



Product Mount Type	Board Mount
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in Component Part) <b>Article Safe Usage Statements:</b> 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

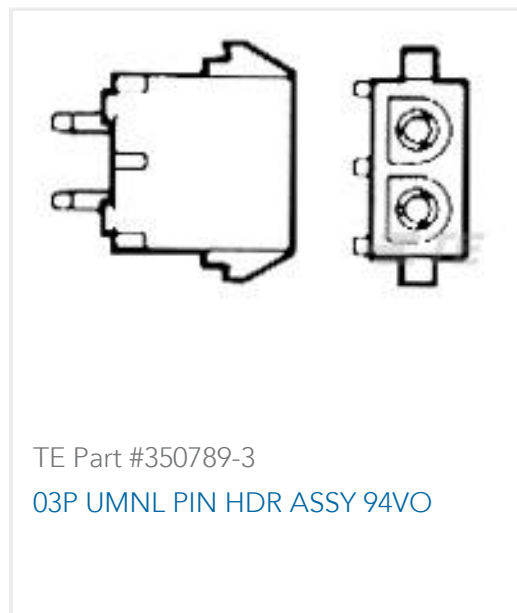
#### Product Compliance Disclaimer

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



### Customers Also Bought



## 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

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## Agency Approvals

### VDE Certificate

English