



TE Internal #: 8-1415026-1

Power Relays, Industrial Panel Plug-In, Monostable, DC, 600 – 800mW Coil Power Rating Class, 750mW Coil Power Rating DC, 20833Ω Coil Resistance

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **600 – 800 mW**

Coil Power Rating DC: **750 mW**

Coil Resistance: **20833 Ω**

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In
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Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	1200 Vrms
Contact Limiting Making Current	20 A
Contact Limiting Short-Time Current	300 A
Insulation Creepage Class	3 – 5.5 mm
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Insulation Creepage Between Contact & Coil	4 mm[.157 in]
Contact Limiting Breaking Current	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	600 – 800 mW
Coil Power Rating DC	750 mW
Coil Resistance	20833 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	125 VDC
Contact Switching Load (Min)	10mA @ 12V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	240 VAC



Body Features

Insulation Special Features	5000V Initial Surge Withstand Voltage between Contacts & Coil
Product Weight	30 g[1.058 oz]

Contact Features

Contact Arrangement	3 Form C (3 CO)
Contact Current Class	5 – 10 A, 10 – 20 A
Contact Current Rating (Max)	10 A
Contact Material	AgNi90/10
Contact Number of Poles	3
Terminal Type	Plug-In, Solder

Mechanical Attachment

Relay Mounting Type	Socket
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Dimensions

Length Class (Mechanical)	25 – 30 mm
Dimensions (L x W x H) (Approximate)	28 x 22.5 x 29 mm[1.102 x .886 x 1.142 in]
Insulation Clearance Class	2.5 – 4 mm
Height Class (Mechanical)	25 – 30 mm
Insulation Clearance Between Contact & Coil	3 mm
Width Class (Mechanical)	20 – 25 mm
Product Width	22.5 mm[.886 in]
Product Length	28 mm[1.102 in]
Product Height	29 mm[1.142 in]

Usage Conditions

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

Packaging Features

Packaging Method	Carton & 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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with lead free solder

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 # 6-1415037-1 PT17040	 TE Part # 1816124-1 PT17024	 TE Part # 9-1415036-1 PTMT00A0	 TE Part # 5-1415037-1 PT17016
 TE Part # 5-1419111-9 PT28800	 TE Part # 1393162-1 PT28802	 TE Part # 1-1415539-4 PTML0220	 TE Part # 1-1415539-6 PTMG0220





TE Part # 1415037-1  
[PTMT00LO](#)



TE Part # 1393162-5  
[PT78603](#)



TE Part # 9-1415071-1  
[PT78730](#)



TE Part # 1860517-5  
[PT170R6 Jumper Bar](#)

Customers Also Bought



TE Part #1816124-1  
[PT17024](#)



TE Part #1-1393793-8  
[AXICOM D2N SENSITIVE](#)



TE Part #1393162-5  
[PT78603](#)



TE Part #1-1393154-3  
[PT570125](#)



TE Part #282294-001  
[81044/12-14-9](#)



TE Part #9-1419111-5  
[PT571110](#)

Documents

- CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1415026-1\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1415026-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1415026-1\\_O.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

- Miniature Relay PT

English



Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

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Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

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Agency Approvals

UL

English

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