



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**
Coil Magnetic System: **Monostable, DC**
Coil Power Rating Class: **800 – 1000 mW**
Coil Power Rating DC: **846 mW**
Coil Resistance: **16133 Ω**

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In
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Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	1200 Vrms
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 Creepage Between Contact & Coil	4 mm[.157 in]
Contact Limiting Breaking Current	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	800 – 1000 mW
Coil Power Rating DC	846 mW
Coil Resistance	16133 Ω
Coil Special Features	Electrical Indicator, LED, Protection Diode, UL Coil Insulation Class F
Coil Voltage Rating	110 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 2017 (173) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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 # 7-1415036-1
PTML0730



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 # 4-1415036-1
PTMG0730

TE Part # 1415037-1
PTMT00L0

TE Part # 1393162-5
PT78603

TE Part # 9-1415071-1
PT78730

TE Part # 1-1415539-7
PTMG0110

TE Part # 1860517-5
PT170R6 Jumper Bar

TE Part # 2-1415392-1
PTML0110

Also in the Series | **SCHRACK Miniature Relay PT**

Power Relays(154)

Customers Also Bought

TE Part #DTT-20-03
CRIMP TOOL

TE Part #1011-232-0305
BKSHL, 3P, BLK, PLG, RA, NW6/7.5/8.5 /10

TE Part #2-1564532-1
15POS, MIXED,TAB HSG,ASSY

TE Part #K1007153
Toggle Switch 08-1-1-13

TE Part #YHDP26-24-35PEL017
PLG, 35P, BLK, E, RNG, 16/20, P

TE Part #834936-000
MWTM-10/3-100/S(S100)

TE Part #2-2176245-2
CRGS1206 5% 56R

TE Part #K1002956
Toggle Switch 08-4-1-13



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1415541-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1415541-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1415541-8_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

Miniature Relay PT

English

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Agency Approvals

VDE Certificate

English

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6-1415541-8](#)