6-1415541-5 ✔ ACTIVE

SCHRACK | SCHRACK Miniature Relay PT

TE Internal #: 6-1415541-5

General Purpose Power Relay, DC, Monostable, 3 Form C 3PDT-CO, 10 A Contact Rating, 12 VDC Coil Voltage, SCHRACK Miniature Relay PT

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Relays & Contactors > Electromechanical Relays






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

Coil Magnetic System: **Monostable**

Contact Arrangement: **3 Form C 3PDT-CO**

Current Type: **DC**

Contact Current Rating: **10 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay

Configuration Features

Contact Number of Poles	3
Coil Special Features	Protection Diode, UL Coil Insulation Class F
Contact Arrangement	3 Form C 3PDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	300 A
Contact Limiting Making Current	20 A
Contact Limiting Breaking Current	10 A
Insulation Initial Dielectric Between Open Contacts	1200 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Contact Switching Voltage (Max)	400 VAC
Contact Switching Load (Min)	10mA @ 12V
Coil Resistance	192 Ω
Contact Current Rating	10 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	240 VAC

Coil Power Rating DC	.76 W
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms

Body Features

Product Weight	30 g[1.058 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable

Contact Features

Contact Material	AgNi90/10

Termination Features

Main Termination & Connection Type	Solder/Plug-In Terminals
Coil Termination & Connection Type	Solder/Plug-In Terminals

Mechanical Attachment

Product Mount Type	Panel & Socket Mount

Dimensions

Insulation Clearance Between Contact & Coil	3 mm
Insulation Creepage Between Contact & Coil	4 mm[.157 in]
Product Width	22.5 mm[.886 in]
Product Length	28 mm[1.102 in]
Product Height	29 mm[1.142 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

Indicator Type	LED
Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Carton & Tube

Other

Coil Power Rating Class	>.6 – ≤1 W
Contact Current Class	>5 – ≤10 A

Height Class (Mechanical)	>27 – ≤33 mm[>1.063 – ≤1.299 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (.4% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. 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 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 # 9-1415036-1
PTMT00A0



TE Part # 1393162-5
PT78603



TE Part # 5-1415037-1
PT17016



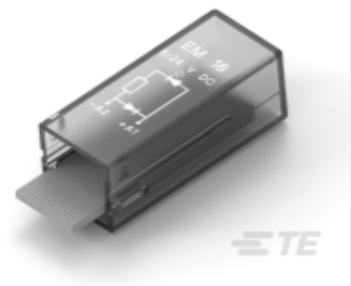
TE Part # 5-1415036-1
PTML0024



TE Part # 8-1415036-1
PTML1024



TE Part # 1415037-1
PTMT00L0



TE Part # 2-1415036-1
PTMG0024



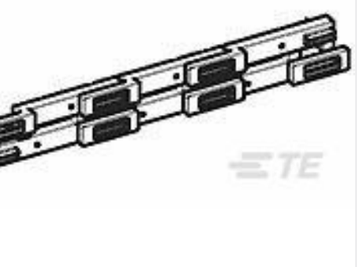
TE Part # 5-1419111-9
PT28800



TE Part # 9-1415071-1
PT78730



TE Part # 6-1415037-1
PT17040



TE Part # 1860517-5
PT170R6 Jumper Bar



TE Part # 1393162-1
PT28802



TE Part # 1816124-1
PT17024



TE Part # 3-1415036-1
PTMG0524

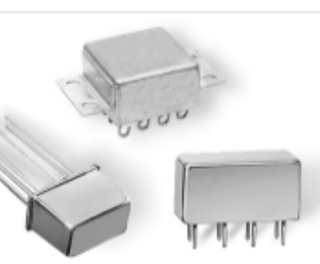


TE Part # 6-1415036-1
PTML0524

Also in the Series | SCHRACK Miniature Relay PT



AC Relays(43)



DC Relays(66)



Electromechanical Relays(109)



Plug-In Relays(85)

Customers Also Bought



TE Part #6-103635-1
12 MTE HDR SRRA LTCH.100CL LF



TE Part #533236-4
096 EURO SHROUD



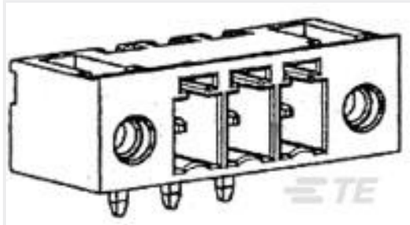
TE Part #535074-1
EURO SHROUD 96 POS



TE Part #1-796859-0
10POS TERMI-BLOK PLUG RT ANGLE



TE Part #1-796861-0
10POS TERMI-BLOK PLUG VERTICAL



TE Part #1-796866-0
10POS TERMI-BLOK HDR RT ANGLE



TE Part #2041376-2
RJ45 W LED 2X2,30u'',DIP,H=25.4mm



TE Part #5148059-5
ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FRE



TE Part #5650118-3
CONN SEC II 6 POS 100C/L R/A



TE Part #650909-5
096 EURO TYPE R PIN AP ASSY

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_6-1415541-5_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_6-1415541-5_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_6-1415541-5_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 General Purpose Relays

English

Agency Approvals

VDE Certificate

English