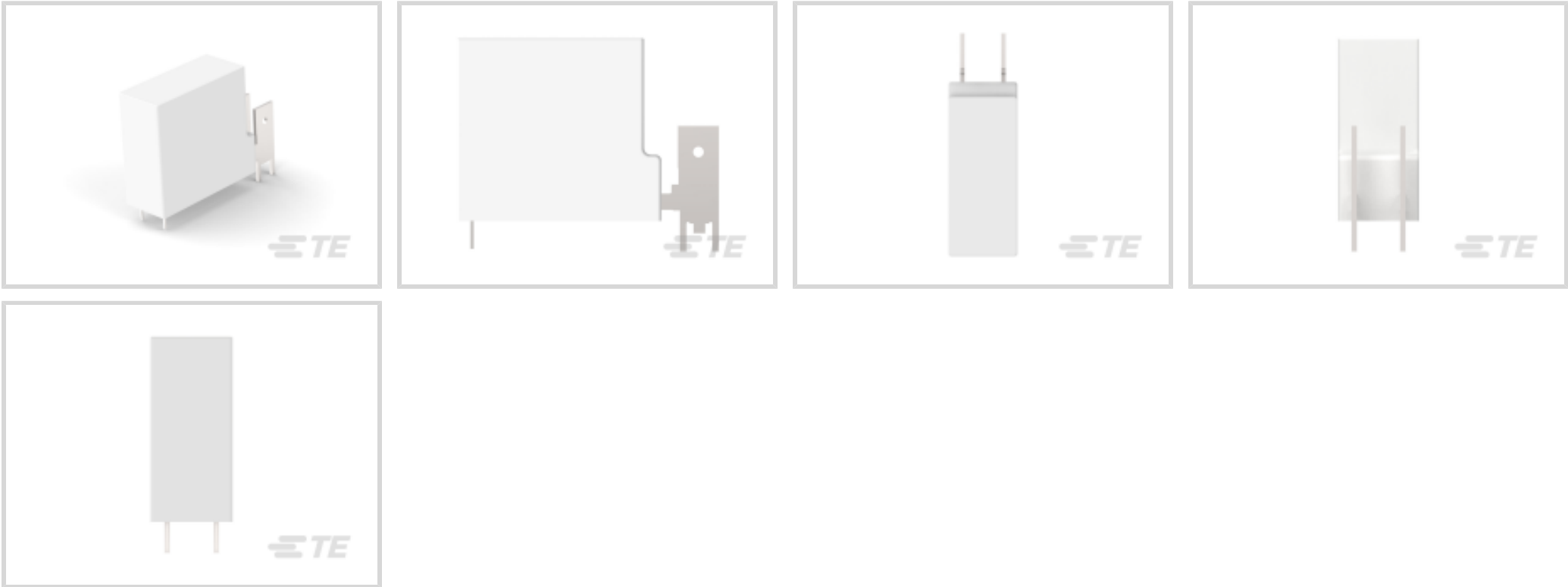




Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form X SPST-NO-DM**

Current Type: **DC**

Contact Current Rating: **16 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Special Features	3mm Contact Gap, Bridging Contacts
Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form X SPST-NO-DM

Electrical Characteristics

Contact Limiting Making Current	20 A
Contact Limiting Continuous Current	16 A
Contact Limiting Breaking Current	16 A
Insulation Initial Dielectric Between Open Contacts	2000 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	400 Ω
Contact Current Rating	16 A



Coil Voltage Rating	12 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.36 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms

Body Features

Product Weight	24 g[.847 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable

Contact Features

Contact Material	AgNi
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Termination Features

Main Termination & Connection Type	Quick Connect Terminals
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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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	12.5 mm[.492 in]
Product Length	40.5 mm[1.594 in]
Product Height	28.5 mm[1.122 in]

Usage Conditions

Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Tray
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Other

Coil Power Rating Class	>.3 – ≤.6 W
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Contact Current Class	>10 – ≤16 A
Height Class (Mechanical)	>27 – ≤33 mm[>1.063 – ≤1.299 in]
Length Class (Mechanical)	>33 – ≤45 mm[>1.299 – ≤1.772 in]
Width Class (Mechanical)	>11 – ≤14 mm[>.433 – ≤.551 in]

Product Compliance

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

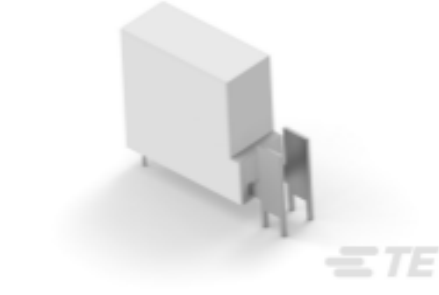
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: 4,4'-isopropylidenediphenol (Bisphenol A) (.3% 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	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





TE Part # 6-1415536-7
0410 63 046 005WG



TE Part # 6-1415536-4
0410 63 042 005WG

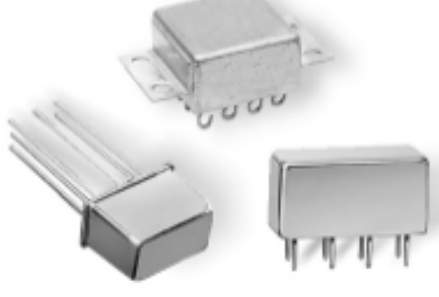


TE Part # 9-1415535-3
0410 63 050 005WG

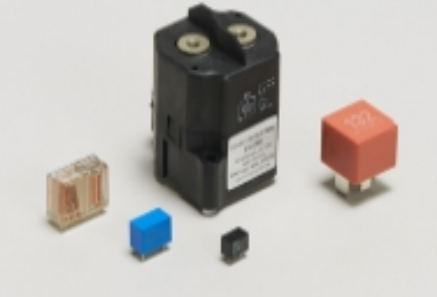


TE Part # 8-1415536-6
0410 83 046 001WG

Also in the Series | SCHRACK 41083



DC Relays(2)



Electromechanical Relays(2)

Customers Also Bought



TE Part #394343-E
STVD 26 F AC 0292 7-01 1010 4,0 * 207 E



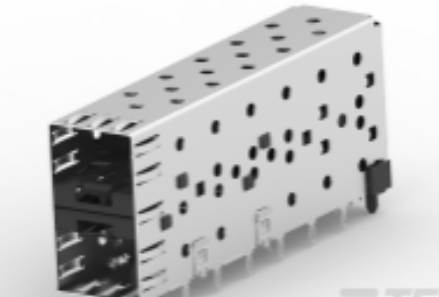
TE Part #8-1393224-9
RY533024



TE Part #5-1415053-1
SR4M4005



TE Part #1622277-1
LR0204 1% 75K



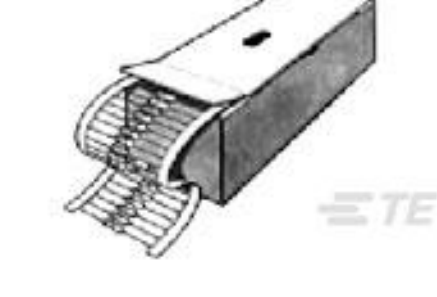
TE Part #1658391-2
SFP CAGE&PT ASSY PRESS FIT 2X1



TE Part #1879234-6
SMF5 820R 5%



TE Part #1-2176071-8
3521 680K 1% 2W



TE Part #1-2176082-4
EP 3W (S) 1K5 5%



TE Part #2213189-1
Assembly, IPI Connector 22-18GA w/o cap



TE Part #5-2203452-6
MALE ASM, 1 POS, VERT, PCB, KEY F



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-1415536-7_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-1415536-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1415536-7_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

Power Relay 41083 3mm

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English