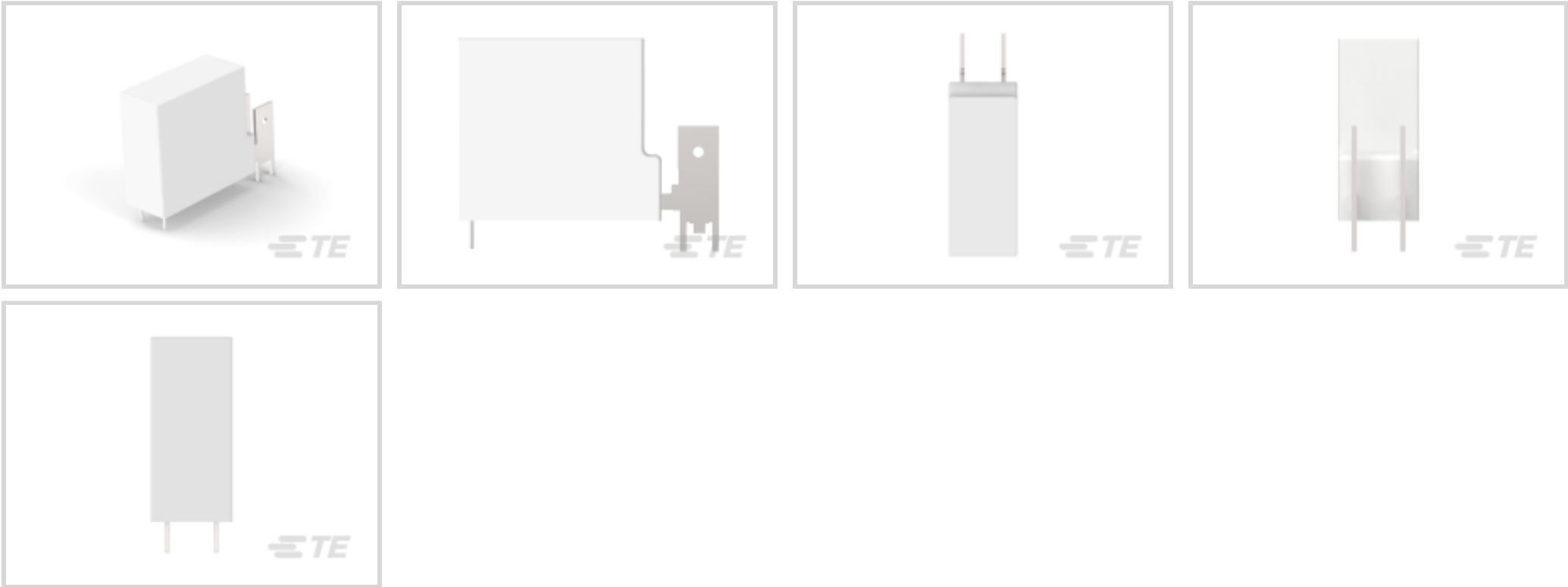




Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

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[1.59 in]
Product Height	28.5 mm[1.12 in]

Usage Conditions

Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Tray
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Other

Coil Power Rating Class	.3 – .4 W
Contact Current Class	16 A



Environmental Ambient Temperature Class	-20 – 85 °C
Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	40 – 50 mm
Width Class (Mechanical)	12 – 16 mm

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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 # 6-1415536-4
0410 63 042 005WG

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

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

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



Also in the Series

SCHRACK 41083

DC Relays(2)

Electromechanical Relays(2)

Customers Also Bought

TE Part #4-2176364-5
RQ 0402 13K3 0.1% 10PPM 5K RL

TE Part #4-2176330-6
CRGP 2010 56K 1%

TE Part #3-2176156-3
TLM 1206 0.5W R062 1% 50PPM 5K RL

TE Part #1-2176422-9
TLRP 2512 3.0W R005 1% 25PPM 4K RL

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

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

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

TE Part #9-2176363-7
RQ 0402 4K32 0.1% 10PPM 5K RL

TE Part #828548-4
4P AMP QUICK STLEI

TE Part #1393280-5
V23086C1001A402

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