



Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Current Type: **AC**

Contact Current Rating: **12 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	2
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	2 Form C DPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	300 A
Contact Limiting Making Current	24 A
Contact Limiting Breaking Current	12 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	19465 Ω
Coil Power Rating AC	.9 VA, 1 VA
Contact Current Rating	12 A
Coil Voltage Rating	230 VAC



Contact Voltage Rating	240 VAC
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
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Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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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	30 mm[1.181 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

Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable
Current Type	AC

Packaging Features

Packaging Method	Carton & Tube
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Other

	≤1.1 VA
Contact Current Class	>10 – ≤16 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
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: JUNE 2025 (250) 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 # 5-1419111-3
[PT271024](#)



TE Part # 2071566-4
[PT78A2P](#)



TE Part # 2071566-6
[PT78C02](#)



TE Part # 2071566-3
[PT78C2P](#)

Also in the Series | [SCHRACK Miniature Relay PT](#)

A collection of various AC relays, including a large white one with multiple pins and several smaller ones in different colors and shapes.

AC Relays(33)

A collection of various DC relays, including a large silver one with multiple pins and several smaller ones in different colors and shapes.

DC Relays(56)

A collection of various electromechanical relays, including a large black one with multiple pins and several smaller ones in different colors and shapes.

Electromechanical Relays(89)

A collection of various PCB relays, including a large white one with multiple pins and several smaller ones in different colors and shapes.

PCB Relays(22)

A collection of various plug-in relays, including a large black one with multiple pins and several smaller ones in different colors and shapes.

Plug-In Relays(67)

Customers Also Bought

A small, rectangular, silver-colored component with two pins on one side and a TE logo.

TE Part #812861-SF
FN2090Z-30-08

A long, cylindrical, silver-colored component with a TE logo.

TE Part #66360-1
III+ SKT,18-14,30AU>10,LP

A technical drawing of a cable clamp kit, showing a circular cross-section and a side view.

TE Part #182928-1
CPC Cable Clamp Kit, Size 11, Large, UV

A 3D rendering of a multi-pin connector assembly with a TE logo.

TE Part #640387-4
04P MTA156 HDR ASSY SQ R/A UV

A rectangular, beige-colored component with multiple pins on one side.

TE Part #7-1393222-2
V23061B1002A301=MINISTARKSTROM

A long, thin, silver-colored component with a TE logo.

TE Part #3-1623925-1
CFR100 5% 330R

A long, thin, silver-colored component with a TE logo.

TE Part #9-1879662-7
H8 100R 0.1% 15PPM

A long, thin, silver-colored component with a TE logo.

TE Part #6-1879663-5
H8 499R 0.1% 15PPM

A rectangular, silver-colored component with a TE logo.

TE Part #5-2176070-5
3521 1K8 1% 2W

A rectangular, silver-colored component with a TE logo.

TE Part #5-2176230-4
3522 22K 5% 3W

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1419111-8_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1419111-8_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1419111-8_99.3d_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