



Power Relay F

TE Internal #: 1393303-9
General Purpose Power Relay, DC, Monostable, 1 Form A (NO), 40 A Contact Rating, 24 VDC Coil Voltage, 24 VDC Contact Voltage,
Power Relay F
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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**
Coil Magnetic System: **Monostable**
Contact Arrangement: **1 Form A (NO)**
Current Type: **DC**
Contact Current Rating: **40 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Arrangement	1 Form A (NO)
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Electrical Characteristics

Contact Limiting Short-Time Current	240 A
Contact Limiting Making Current	120 A
Contact Limiting Continuous Current	60 A
Contact Limiting Breaking Current	20 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Switching Voltage (Max)	32 VDC
Contact Switching Load (Min)	1000mA @ 5VDC
Input Voltage	12 – 24 VDC
Coil Resistance	324 Ω
Contact Current Rating	40 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	24 VDC
Coil Power Rating DC	1.8 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms



Body Features

Product Weight	35 g[1.2 oz]
Enclosure Type	Dust Protected

Contact Features

Contact Material	Silver Alloy
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Termination Features

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

Mechanical Attachment

Product Mount Type	Socket Mount
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Dimensions

Product Width	29.9 mm[1.18 in]
Product Length	25.9 mm[1.02 in]
Product Height	24.9 mm[.98 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	105 °C[221 °F]

Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Industry Standards

IP Rating	IP54
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Other

Coil Power Rating Class	>1.5 – ≤3 W
Contact Current Class	>16 – ≤25 A
Height Class (Mechanical)	>22 – ≤27 mm[>.866 – ≤1.063 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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1-1904045-1
[V23333Z0001A007-EV-100](#)

Also in the Series | [Power Relay F](#)

A collection of various DC relays, including a large silver one and several smaller black and silver ones.

DC Relays(61)

A collection of various electromechanical relays, including a large black one, a small red one, and several smaller black and silver ones.

Electromechanical Relays(61)

A collection of various plug-in relays, including a large black one, a small red one, and several smaller black and silver ones.

Plug-In Relays(54)

A collection of various relay accessories, including a large black one, a small red one, and several smaller black and silver ones.

Relay Accessories(1)

Customers Also Bought

A white, cylindrical, threaded component.

TE Part #1SNG626091R0000
EP-SGL-M32-LGR-D

A small, grey, rectangular component with a lever arm.

TE Part #K1148941
Limit switch G13-01-1816

A small, grey, rectangular component with a lever arm.

TE Part #K1008808
Relay 26-56-08

A long, thin, yellow, rectangular component.

TE Part #880636-1
FF 250 TAB 1.0-2.5 MM2 0.39 X 13.2 BR

A small, yellow, rectangular component.

TE Part #2-1630012-6
HSC150 3R3 5%

A small, black, rectangular component with a lever arm.

TE Part #2170704-6
CAGE ASSY, QSFP28 1X1, SPRING, HS

A small, black, rectangular component with a lever arm.

TE Part #2170806-4
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS

A small, black, rectangular component with a lever arm.

TE Part #9-2176306-1
RP 1E 0.1W 10K 0.1% 25PPM 5K RL

A small, black, rectangular component with a lever arm.

TE Part #4-2176307-0
RP 1E 0.1W 31K6 0.1% 25PPM 5K RL

A small, black, rectangular component with a lever arm.

TE Part #2332816-1
RA Plug Assy Left End Multigig RT 3

Documents

Product Drawings

CAD Files

Customer View Model

ENG_CVM_1393303-9_S00F.2d_dxf.zip

English

Customer View Model

ENG_CVM_1393303-9_S00F.3d_igs.zip

English



Customer View Model

[ENG_CVM_1393303-9_S00F.3d_stp.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

[Automotive Relay Application Notes](#)

English

Product Specifications

[Definitions](#) [General Purpose Relays](#)

English