



Power Relay F

TE Internal #: 7-1393302-5

General Purpose Power Relay, DC, Monostable, 1 Form A (NO), 60 A Contact Rating, 12 VDC Coil Voltage, 12 VDC Contact Voltage, Power Relay F

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Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A (NO)**

Contact Current Rating: **60 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 Switching Load (Min)	1000mA @ 5VDC
Contact Limiting Short-Time Current	240 A
Contact Limiting Making Current	120 A
Coil Resistance	90 Ω
Contact Limiting Continuous Current	60 A
Contact Limiting Breaking Current	60 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Current Rating	60 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC
Coil Power Rating DC	1.6 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Body Features

Product Weight	35 g[1.2 oz]
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Enclosure Type	Dust Protected
Contact Features	
Contact Material	Silver Alloy
Termination Features	
Main Termination & Connection Type	Quick Connect Terminals
Coil Termination & Connection Type	Quick Connect Terminals
Mechanical Attachment	
Product Mount Type	Socket Mount
Dimensions	
Product Width	25.9 mm[1.019 in]
Product Length	25.9 mm[1.019 in]
Product Height	24.9 mm[.98 in]
Usage Conditions	
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	125 °C[257 °F]
Operation/Application	
Current Type	DC
Coil Magnetic System	Monostable
Other	
Contact Current Class	>50 – ≤200 A
Coil Power Rating Class	>1.5 – ≤3 W
Height Class (Mechanical)	>22 – ≤27 mm[>.866 – ≤1.063 in]
Length 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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241)



	Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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

 Automotive Relays(56)	 DC Relays(57)	 General Purpose Power Relays(56)	 PCB Relays(7)
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Customers Also Bought



TE Part #234478-E SRCA 1,27 12 M 1 SMD 137 E1 094 * GURT *	TE Part #1-796692-2 TERMI-BLOK PCB MOUNT 1&2 12P.5	TE Part #1670365-2 COVER MIXED, 180, 2-3POS, NW4.5	TE Part #1734366-4 Std USB Type A, VT, T/H
TE Part #8-1879130-0 RN 0402 4K99 0.1% 10PPM 1K RL	TE Part #5-1879208-6 CPF 0402 2K0 0.1% 25PPM 1K RL	TE Part #1-2176070-6 3521 43R 1% 2W	TE Part #1-2176186-8 CRGH1206 1% 3K3 0.5W
TE Part #4-2176455-2 CPF 0402 294K 0.1% 25ppm 1K RL	TE Part #5787686-1 37 PLUG SP/FMS (RET SL)		

Documents

Product Drawings
V23134B0052C642-EV-CBOX

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_7-1393302-5_S00F.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_7-1393302-5_S00F.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_7-1393302-5_S00F.3d_stp.zip
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

Power Relay F4, Mini ISO, Plug-In

English

Product Specifications

Definitions General Purpose Relays

English