



Power Relay F

TE Internal #: 1393304-9
General Purpose Power Relay, DC, Monostable, 1 Form A (NO), 70 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: **70 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	300 A
Contact Limiting Making Current	240 A
Coil Resistance	90 Ω
Contact Limiting Continuous Current	70 A
Contact Limiting Breaking Current	70 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Current Rating	70 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	38 g[1.3 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 Mounting Feature Type	Mounting Brackets
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 A
Coil Power Rating Class	1.5 W
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	25 – 30 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: JAN 2025
(247)
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 # 1393310-4
VCF7-1000=FROM SEC

Also in the Series | Power Relay F

Automotive Relays(57)

General Purpose Power Relays(57)

PCB Relays(7)

Plug-In Relays(50)

Customers Also Bought





TE Part #4-647615-2
12P MTA156 POL LOCK HDR ASSY LF



TE Part #322872
SOLIS R HT 22-16COMM22-18MIL 6



TE Part #4-1676123-5
1/2W SM M/OX 5% 56R




TE Part #1-1415543-7
RT115524



TE Part #3-282836-2
TERMI-BLOK PCB MOUNT 90 4P Ke



TE Part #7-1904137-6
V23720A0102B001-EV-CBOX



TE Part #223956-1
STV ERMZUB FUEHRUNGSBOLZEN J * M 1 * * *



TE Part #360041-1
187 FASTON HSG.,TAB,1 POS, NATRUAL



TE Part #60249-2
FF 250 REC 16-12AWG TPBR



TE Part #DT04-4P-P021
REC, 4P, GRY, BUSBAR, NICKEL

Documents

Product Drawings
V23134J1052D642-EV-CBOX

English

CAD Files
Customer View Model
ENG_CVM_1393304-9_S00F.3d_igs.zip

English

Customer View Model
ENG_CVM_1393304-9_S00F.3d_stp.zip

English

Customer View Model
ENG_CVM_1393304-9_S00F.2d_dxf.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

Power Relay F7, Maxi ISO, Plug-In

English

Product Specifications

Definitions General Purpose Relays

English