



Power Relay F

TE Internal #: 1-1414147-0  
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  
[View on TE.com >](#)

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

Coil Special Features	Rp 680Ω
Contact Arrangement	1 Form A (NO)

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]
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	25.9 mm[1.031 in]
Product Length	25.9 mm[1.031 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 2024  
(240)  
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 #1-1393304-0  
V23134J1052X281-EV-CBOX



TE Part #2359392-1  
V23074A1002A402-EV-CBOX




TE Part #1-963540-1  
18pos MQS .63 header 180deg



TE Part #4-1904124-4  
V23074H1005A502-EV-CBOX



TE Part #776531-2  
AS16,PLUG ASSY,ST,06P,E SEAL,  
CODE B



TE Part #8-32151-1  
SPLICE,SOLIS BUTT 12-10



TE Part #1-2394061-4  
2POS,HVP1000,ASSY,180DEG,COD G  
/H



TE Part #2176489-2  
HCL130 70W 3R9 5% Cable 150mm



TE Part #178421-7  
CAVITY PLUG FOR 120P ECU CONN



TE Part #1-967622-4  
JUN-POW-TIM GEH 12P

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1414147-0\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1414147-0\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1414147-0\_A.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 F7, Maxi ISO, Plug-In

English



Product Specifications

Definitions General Purpose Relays

English