



Power Relay F

TE Internal #: 1-1414286-0

General Purpose Power Relay, DC, Monostable, 1 Form A (NO), 70 A Contact Rating, 12 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**

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	Diode (Cathode 86)
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	24 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
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Contact Features

Contact Material	Silver Alloy
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Termination Features

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

Product Mount Type	Socket Mount
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Dimensions

Product Width	25.9 mm[1.031 in]
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Product Length	25.9 mm[1.031 in]
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Product Height	24.9 mm[.98 in]
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Usage Conditions

Environmental Category of Protection	RTI
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Environmental Ambient Temperature (Max)	125 °C[257 °F]
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Operation/Application

Current Type	DC
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Coil Magnetic System	Monostable
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Other

Contact Current Class	>50 A
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Coil Power Rating Class	1.5 W
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Environmental Ambient Temperature Class	105 – 125 °C
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Height Class (Mechanical)	25 – 30 mm
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Length Class (Mechanical)	25 – 30 mm
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Width Class (Mechanical)	25 – 30 mm
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025 (247)  
Candidate List Declared Against: JAN 2025 (247)  
SVHC > Threshold:  
Pb (92.5% in 30922620965)

Article Safe Usage Statements:  
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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

DC Relays(57)

Electromechanical Relays(57)

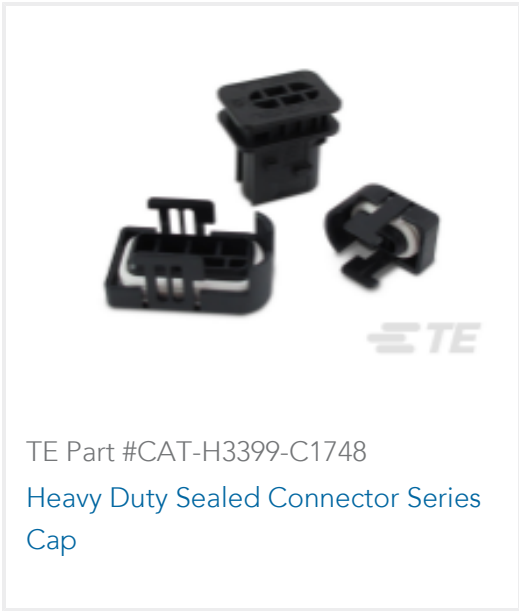
Plug-In Relays(50)




Customers Also Bought




TE Part #1-1437709-2  
106011/106012=TERMINAL MALE CR




TE Part #CAT-H3399-C1748  
Heavy Duty Sealed Connector Series Cap




TE Part #9-1904105-7  
V23074A2001A403-SZ-CBOX



TE Part #62553-1  
FF 250 TAB 22-18AWG BR



TE Part #6-1419137-4  
V23074A2001A403-EV-CBOX




TE Part #4-1414992-7  
V23136A0004X086-EV-CBOX



TE Part #964587-1  
JUN-POW TIM GEH 2P



TE Part #1-2103124-5  
HEADER ASSY, Ag SHIELD, KEY E, HVA280-2P



TE Part #1-1393277-8  
V23076A3022C132

Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-1414286-0\_B1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1414286-0\_B1.3d\_igs.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1414286-0\_B1.2d\_dxf.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