



Power Relay F

TE Internal #: 3-1393303-4

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

Contact Features

Contact Material	Silver Alloy
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Dimensions

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

Other

Contact Current Class	30 – 50 A
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	20 – 25 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	25 – 30 mm
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Usage Conditions

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

Body Features

Product Weight	35 g[1.2 oz]
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Enclosure Type

Dust Protected

Mechanical Attachment

Product Mounting Feature Type

Mounting Brackets

Product Mount Type

Socket Mount

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

Product Type Features

Relay & Contactor Type

General Purpose Power Relay

Operation/Application

Current Type

DC

Coil Magnetic System

Monostable

Configuration Features

Contact Arrangement

1 Form A (NO)

Termination Features

Main Termination & Connection Type

Quick Connect Terminals

Coil Termination & Connection Type

Quick Connect Terminals

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2024 (241) 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

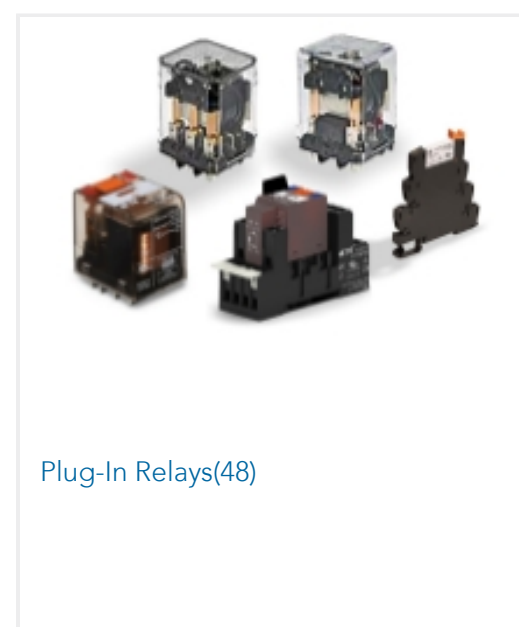
Product Compliance Disclaimer

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>

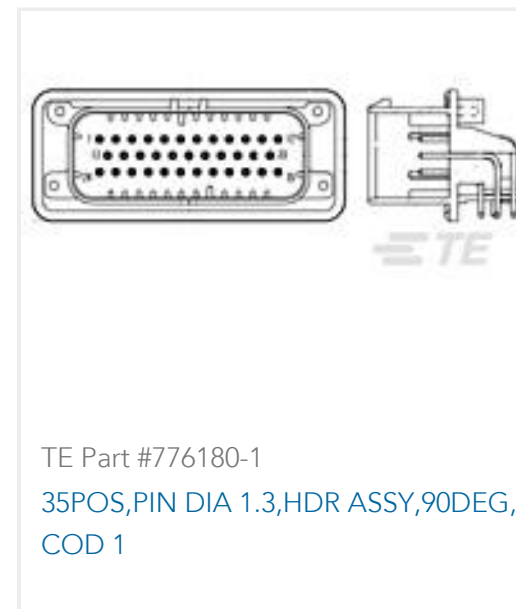
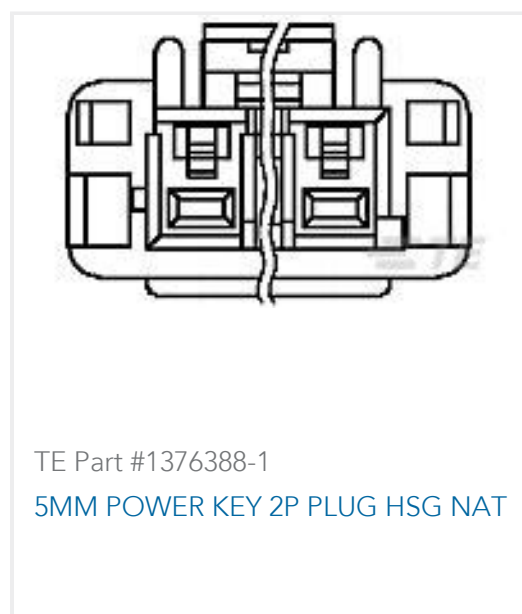
Compatible Parts



Also in the Series | Power Relay F



Customers Also Bought



Documents

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_3-1393303-4_S00F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_3-1393303-4_S00F.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_3-1393303-4_S00F.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

Product Specifications



Definitions General Purpose Relays

English