



Power Relay F

TE Internal #: 1-1393304-1

Automotive Power Relay, DC, Monostable, 1 Form A SPST-NO, 70 A Contact Rating, 24 VDC Coil Voltage, 24 VDC Contact Voltage, Power Relay F

[View on TE.com >](#)

Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **Automotive Power Relay**
Coil Magnetic System: **Monostable**
Contact Arrangement: **1 Form A SPST-NO**
Current Type: **DC**
Contact Current Rating: **70 A**

Features

Product Type Features

Relay & Contactor Type	Automotive Power Relay
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Configuration Features

Contact Arrangement	1 Form A SPST-NO
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Electrical Characteristics

Contact Limiting Short-Time Current	300 A
Contact Limiting Making Current	240 A
Contact Limiting Continuous Current	70 A
Contact Limiting Breaking Current	25 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Resistance	324 Ω
Contact Current Rating	70 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	24 VDC
Coil Power Rating DC	1.8 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
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

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	105 °C[221 °F]

Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Other

Coil Power Rating Class	>1.5 – ≤3 W
Contact Current Class	>16 – ≤25 A
Height Class (Mechanical)	>22 – ≤27 mm[>.866 – ≤1.063 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width 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: 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

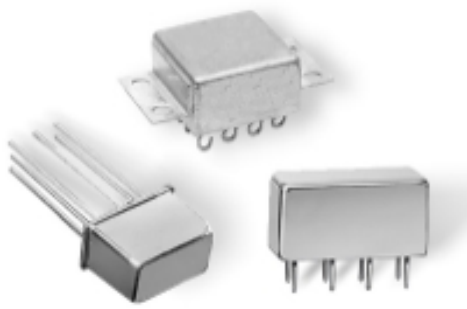
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2141026-1
RELAY BOX ASSY,HARD WIRED

Also in the Series | Power Relay F



DC Relays(57)



Electromechanical Relays(57)



Plug-In Relays(50)

Customers Also Bought



TE Part #CR0180-000
CWT-9-W116-9



TE Part #801262-SF
FN2070-36-08



TE Part #DT06-6S-CE01
PLG, 6P, GRY, E, CAP



TE Part #HDP24-24-31SE-L015
REC, 31P, BLK, E, THD, 16, S



TE Part #1-1355587-4
MOD2 PIN HEADER 32P



TE Part #5-1879494-7
CRGH0603 5% 220R 0.2W



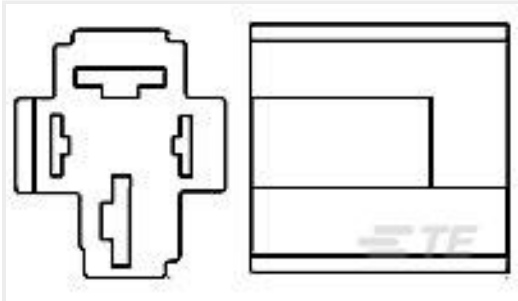
TE Part #7-1879494-7
CRGH0603 5% 1K5 0.2W



TE Part #5-2176337-2
CRGCQ 0402 180K 1%



TE Part #1-2394061-6
2POS,HVP1000,ASSY,180DEG,COD L /M



TE Part #1393310-4
VCF7-1000=FROM SEC

Documents

Product Drawings
V23134J1053D642-EV-CBOX

English

CAD Files
Customer View Model
ENG_CVM_1-1393304-1_S00F.3d_igs.zip

English

Customer View Model
ENG_CVM_1-1393304-1_S00F.3d_stp.zip

English

Customer View Model
ENG_CVM_1-1393304-1_S00F.2d_dxf.zip

English

3D PDF

English

Datasheets & Catalog Pages



Automotive Relay Application Notes

English

MFINITY Modular Hard Wired Fuse and Relay Box

English

Product Specifications

Definitions General Purpose Relays

English