



Power Relay F

TE Internal #: 5-1393302-8

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 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 C SPDT-CO**

Contact Current Rating: **60 A**

Features

Product Type Features

| | |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

| | |
|---------------------|------------------|
| Contact Arrangement | 1 Form C SPDT-CO |
|---------------------|------------------|

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 |

Body Features

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|----------------|--------------|
| Product Weight | 35 g[1.2 oz] |
|----------------|--------------|



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

Usage Conditions

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|---|----------------|
| 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 | 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 |

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: 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

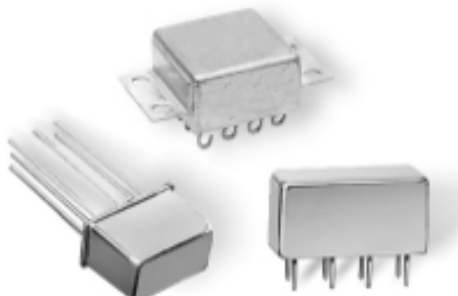
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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




TE Part # 1-1904045-1
V23333Z0001A007-EV-100


Also in the Series | Power Relay F



DC Relays(57)




Electromechanical Relays(57)




Plug-In Relays(50)

Customers Also Bought

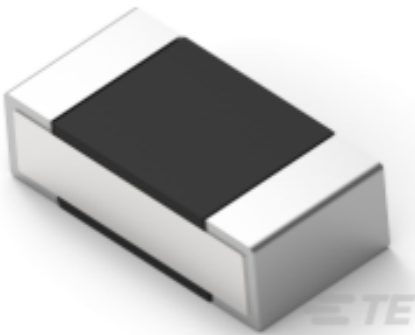





TE Part #2323803-1
SSR-ACC-TH-001 = Thermal pad 1 phase




TE Part #3-1393127-5
PRD-11DG0-12=PRD




TE Part #4-2176308-6
RP 1E 0.1W 6R81 0.1% 25PPM 1K RL



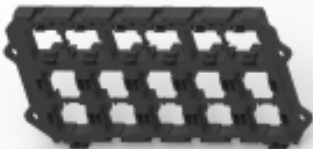
TE Part #150572-2
MINI FASTON 110 REC 20-16 AWG TPBR



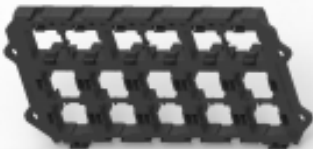
TE Part #3-282836-2
TERMI-BLOK PCB MOUNT 90 4P Ke




TE Part #4-1625999-4
HSC100 68R 5%




TE Part #444308-2
FRAME FUSE RELAY BOX



TE Part #3-1423712-2
W28-X1094-10=CKTBKR,THERM, ROCK,QC.250,FU



TE Part #1478771-2
ANTI-VIB NYLON GLD 16MM WHT



TE Part #9-1415001-5
V23132E2001A200

Documents

Product Drawings

V23134A1052C643-EV-CBOX

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1393302-8_S00F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1393302-8_S00F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1393302-8_S00F.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 F4, Mini ISO, Plug-In

English

Product Specifications

Definitions General Purpose Relays

English