



Power Relay F

TE Internal #: 2-1393302-3

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**  
Coil Magnetic System: **Monostable**  
Contact Arrangement: **1 Form C SPDT-CO**  
Current Type: **DC**  
Contact Current Rating: **60 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Arrangement	1 Form C SPDT-CO
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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

Product Weight	35 g[1.2 oz]
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Enclosure Type

Dust Protected

Contact Features

Contact Material	Silver Alloy
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Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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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

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

Operation/Application

Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable
Current Type	DC

Other

Contact Current Class	>50 – ≤200 A
Coil Power Rating Class	>1.5 – ≤3 W
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: 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	Wave solder capable to 265°C

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 # 1393302-6  
VF415F13/X811

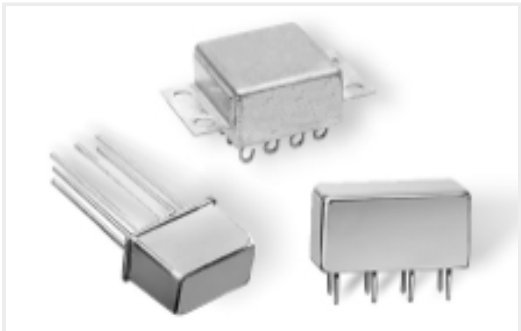


TE Part # 1-1904045-1  
V23333Z0001A007-EV-100

Also in the Series | Power Relay F



Automotive Relays(56)



DC Relays(57)



General Purpose Power Relays(56)



PCB Relays(7)

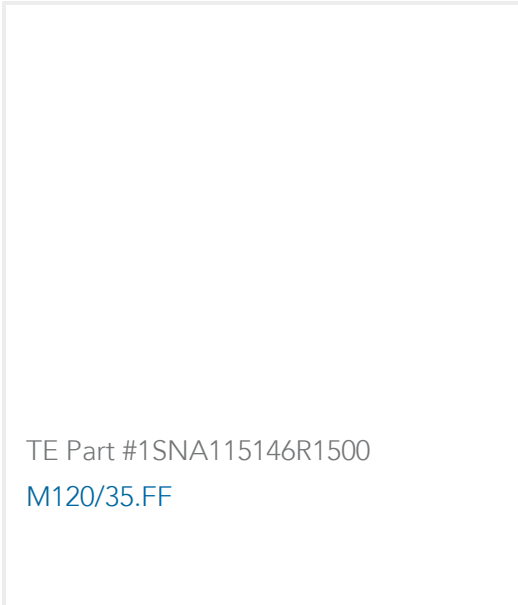


Plug-In Relays(50)

Customers Also Bought



TE Part #416947-000  
CWT-6-W122-5



TE Part #1SNA115146R1500  
M120/35.FF



TE Part #86479-5  
14 MODII HDR DRRA UNSHRD .100



TE Part #350766-1  
03P UMNL PLUG HSG



TE Part #644752-2  
02P MTA156 HDR ASSY SQ STR F/L



TE Part #6-1393224-2  
RY213024



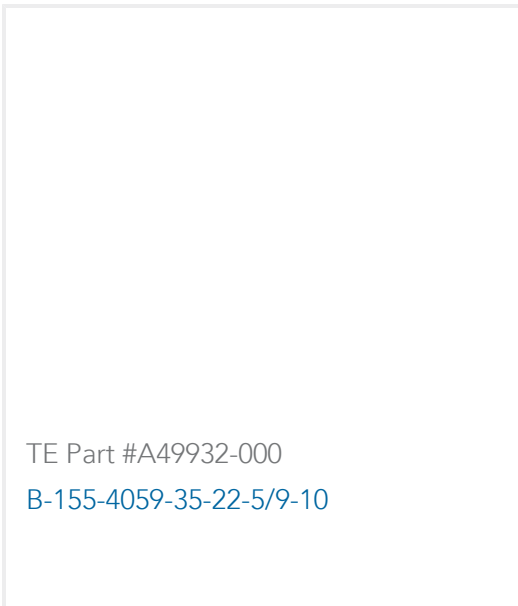
TE Part #5-1393240-6  
RT334730



TE Part #1558667-1  
T9GS2L14-5



TE Part #2-1623932-4  
CFR50 5% 150R



TE Part #A49932-000  
B-155-4059-35-22-5/9-10

Documents

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1393302-3\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1393302-3\_O.3d\_igs.zip

English



Customer View Model

[ENG\\_CVM\\_CVM\\_2-1393302-3\\_O.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Automotive Relay Application Notes

English

[Power Relay F4, Mini ISO, Plug-In](#)

English

Definitions General Purpose Relays

English