



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

[View on TE.com >](#)

Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Contact Current Class: **30 – 50 A**

Current Type: **DC**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Contact Limiting Short-Time Current	240 A
Contact Limiting Continuous Current	60 A
Contact Switching Load (Min)	1000mA @ 5VDC
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	120 A
Contact Current Rating	60 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC
Coil Resistance	90 Ω
Contact Limiting Breaking Current	60 A
Coil Power Rating DC	1.6 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Body Features

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



Enclosure Type	Dust Protected
----------------	----------------

Contact Features

Contact Material	Silver Alloy
------------------	--------------

Termination Features

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

Mechanical Attachment

Product Mount Type	Printed Circuit Board
--------------------	-----------------------

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

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

Operation/Application

Solder Process	Wave Solder
Coil Magnetic System	Monostable
Current Type	DC

Other

Environmental Ambient Temperature Class	105 – 125 °C
Contact Current Class	30 – 50 A
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: 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	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




Electromechanical Relays(55)

Customers Also Bought







TE Part #1558667-1
T9GS2L14-5




TE Part #1579007-9
EXTRACTION TOOL




TE Part #280595
AMP MODU MOD I RECEPT HSG




TE Part #8-1393224-2
RY531024




TE Part #35653
SPLICE,N CE 22-10



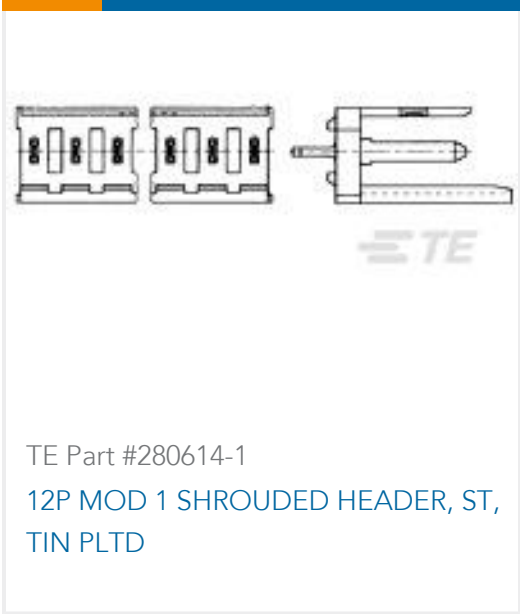
TE Part #7-1625890-4
2W SM M/OX 5% 2K7



TE Part #7-1625892-7
3W SM M/OX 5% 18K



TE Part #280593
AMP MODU MOD I RECEPT HSG



TE Part #280614-1
12P MOD 1 SHROUDED HEADER, ST,
TIN PLTD

Documents

CAD Files

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.

Datasheets & Catalog Pages

Automotive Relay Application Notes

English

Power Relay F4, Mini ISO, Plug-In

English



Product Specifications

Definitions General Purpose Relays

English