5-1393302-2 ✔ ACTIVE

Power Relay F

TE Internal #: 5-1393302-2

Mini Relays, 24VDC Coil Voltage Rating, 30 – 50A Contact Current Class, Contact Arrangement 1 Form C (CO), Printed Circuit Board, Power Relay F

View on TE.com >

Relays & Contactors > Relays > Automotive Relays > Automotive Plug-In Relays > Mini Relays

Coil Voltage Rating: **24 VDC**

Contact Current Class: **30 – 50 A**

Contact Arrangement: **1 Form C (CO)**

Product Mount Type: **Printed Circuit Board**

Coil Resistance: **324 Ω**

Features

Configuration Features

Contact Arrangement	1 Form C (CO)

Electrical Characteristics

Current Rating (85°C)	20 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	120 A
Contact Limiting Short-Time Current	240 A
Contact Limiting Continuous Current	60 A
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Contact Limiting Breaking Current	20 A
Contact Voltage Rating	24 VDC
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Power Rating DC	1800 mW
Coil Voltage Rating	24 VDC
Coil Resistance	324 Ω

Body Features

Product Weight	35 g[1.2 oz]

Contact Features

Contact Material	Silver Alloy

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	PCB 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

Actuating System	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

Other

Length Class (Mechanical)	25 – 30 mm
Insulation Initial Dielectric Between Coil & Contact Class	0 – 500 V
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	20 – 25 mm
Width Class (Mechanical)	25 – 30 mm
Contact Current Class	30 – 50 A

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: JAN 2024 (240) 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 # 1-1904045-1
V23333Z0001A007-EV-100

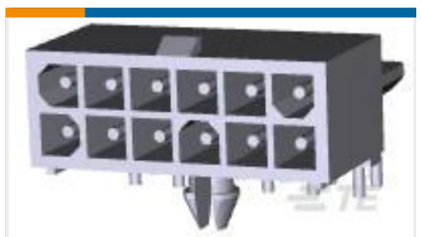
Also in the Series | Power Relay F

Maxi Relays(13)

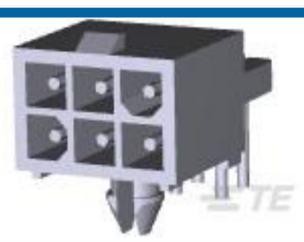
Mini Relays(43)

Customers Also Bought

TE Part #1011-053-1205
DEUTSCH DT Retention Sleeves



TE Part #1-770972-0
12P MINI UMNL R/A HDR ASSY LF



TE Part #1-770969-0
06P MINI UMNL R/A HDR ASSY SN

TE Part #1-770968-0
04P MINI UMNL R/A HDR ASSY SN

TE Part #6-1676481-6
CPF 0603 3K6 0.1% 25PPM 1K RL

TE Part #6-1614882-1
CPF 0603 47K 0.1% 25PPM 5K RL

TE Part #962928-1
MPT REC 9.5 Contact SRC Sn

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1393302-2_S00F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1393302-2_S00F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1393302-2_S00F.3d_stp.zip

English

Datasheets & Catalog Pages

Automotive Relay Application Notes

English

Product Specifications

Definitions General Purpose Relays

English