



Power Relay F A

TE Internal #: 1-1414686-0
12VDC Coil Voltage Rating, 30 – 50A Contact Current Class,
Contact Arrangement 1 Form C SPDT-CO, Socket, Power Relay F
A, Mini Relays
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Relays & Contactors > Relays > Automotive Relays > Automotive Plug-In Relays > Mini Relays



Coil Voltage Rating: 12 VDC
Contact Current Class: 30 – 50 A
Contact Arrangement: 1 Form C SPDT-CO
Product Mount Type: Socket
Coil Resistance: 90 Ω

Features

Configuration Features

Contact Arrangement	1 Form C SPDT-CO
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Electrical Characteristics

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

Body Features

Product Weight	35 g[1.2 oz]
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Contact Features

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Contact Material	Silver Alloy
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Termination Features

Relay Connection Type	Plug-In
Terminal Configuration	Quick Connect Terminals

Mechanical Attachment

Product Mount Type	Socket
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Dimensions

Product Width	28 mm[1.102 in]
Product Length	28 mm[1.102 in]
Product Height	25.5 mm[1.004 in]

Usage Conditions

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

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Other

Environmental Ambient Temperature Class	105 – 125 °C
Length Class (Mechanical)	25 – 30 mm
Height Class (Mechanical)	25 – 30 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: 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 A



Maxi Relays(2)



Mini Relays(13)

Customers Also Bought



TE Part #1658606-1
50 POS HDF RCPT, MS, LEAD FREE



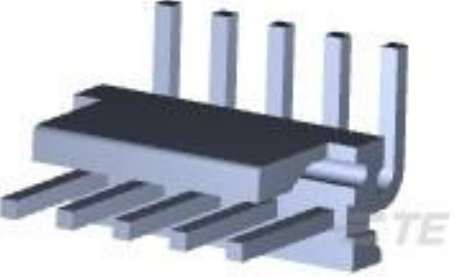
TE Part #1658607-1
50 POS HDF PLUG, MS, LEAD FREE



TE Part #1-5747150-6
09 RCPT SP/FMS SCRLK



TE Part #5-146285-3
03 MODII HDR SRST B/A .100CL



TE Part #640387-5
05P MTA156 HDR ASSY SQ R/A



TE Part #746785-1
50 POS STR RLF, LOW PROFILE



TE Part #2205096-1
FSN-22.2Z-7



TE Part #CSI-SGFB-300-UFFR
SMA to U.FL/MHF1 300mm 1.13 OD



TE Part #G8MI
MOUNT, MGM, 3/4, 58A, MUHFM I, CMP, CHR, STD, 12

Documents

Product Drawings

V23136A0004X058-EV-CBOX

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1414686-0_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1414686-0_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1414686-0_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 A, Mini ISO, Plug-In

English

Product Specifications

Definitions General Purpose Relays

English