



Power Relay F A

TE Internal #: 1-1414552-0
12VDC Coil Voltage Rating, 30 – 50A Contact Current Class,
Contact Arrangement 1 Form C SPDT-CO, Rp 680Ω, 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
Coil Special Features: Rp 680Ω
Product Mount Type: Socket

Features

Configuration Features

Contact Arrangement	1 Form C SPDT-CO
Coil Special Features	Rp 680Ω

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	1.3 W
Contact Voltage Rating	12 VDC
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Voltage Rating	12 VDC
Coil Resistance	114 Ω

Body Features

Product Weight	60 g[2.1 oz]
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Contact Features



Contact Material	Silver Alloy
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Termination Features

Relay Connection Type	Plug-In
Terminal Configuration	Quick Connect Terminals

Mechanical Attachment

Product Mounting Feature Type	Mounting Brackets
Product Mount Type	Socket

Dimensions

Product Width	35.2 mm[1.386 in]
Product Length	32.41 mm[1.276 in]
Product Height	54.2 mm[2.133 in]

Usage Conditions

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

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Other

Length Class (Mechanical)	30 – 35 mm
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	50 mm
Width Class (Mechanical)	30 – 40 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	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 # 1-1414121-0
V23136B1001X051-EV-CBOX

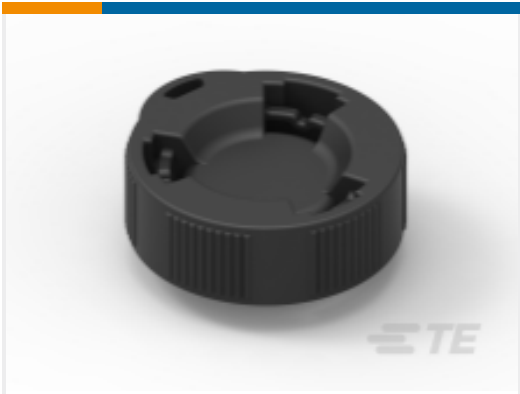
Also in the Series | Power Relay F A

Maxi Relays(2)

Mini Relays(13)

Customers Also Bought





TE Part #HDC26-18
DUST CAP, 18SZ, REC, BLK, HDP



TE Part #176299-1
UNVI POWER CAP HSG 12P PNL MTG



TE Part #176286-1
UNIV POWER CAP HSG 8P F/H



TE Part #2236721-1
ADAPTER, FOR TAB HOUSING, ASSY



TE Part #185740-2
12pos MQS .63 header 90deg



TE Part #176278-1
UNIV POWER PLUG HSG 12P F/H



TE Part #6-1419137-4
V23074A2001A403-EV-CBOX



TE Part #154512-2
187 FASTON HSG., REC., 1 POS, NATRUAL



TE Part #2237149-2
8POS, TAB0.64X0.64, HDR ASSY, 90DEG, SMD



TE Part #K1041629
Rockerswitch 07-7-2-22 902

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1414552-0_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1414552-0_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1414552-0_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

Shrouded Power Relay F4 A, Mini ISO, Plug-In

English



Product Specifications

Definitions General Purpose Relays

English