



Power Relay F A

TE Internal #: 1-1414122-0
12VDC Coil Voltage Rating, >50A Contact Current Class, Rp 560Ω,
Socket, Monostable, 90ohm Coil Resistance, Power Relay F A, Maxi
Relays

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



Coil Voltage Rating: 12 VDC
Contact Current Class: >50 A
Coil Special Features: Rp 560Ω
Product Mount Type: Socket
Coil Magnetic System: Monostable

Features

Configuration Features

Contact Arrangement	1 Form A (NO)
Coil Special Features	Rp 560Ω

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	50 A
Contact Limiting Short-Time Current	300 A
Contact Limiting Continuous Current	70 A
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Contact Current Rating	70 A
Contact Limiting Breaking Current	30 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	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
Insulation Initial Dielectric Between Coil & Contact Class	0 – 500 V
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	50 mm
Coil Power Rating Class	1.5 W
Width Class (Mechanical)	30 – 40 mm
Contact Current Class	>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 # 4-1414992-7
V23136A0004X086-EV-CBOX

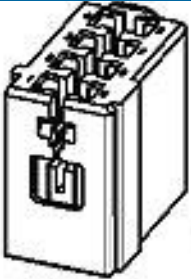
Also in the Series | Power Relay F A

Maxi Relays(2)

Mini Relays(13)

Customers Also Bought



 TE Part #1355526-2 MQS BU-GEH 8P	 TE Part #4-968972-1 MCP2,8 GEH ASSY 12P	 TE Part #HD16-9-96SE PLG, 9P, GRY, E, THRD, 16	 TE Part #NB10746001 ATUM-32/8-0-85MM
 TE Part #2348651-1 BLIND PLUG SEALED, MATENET, ASSY	 TE Part #2359943-2 96POS,MCON-1.2 CB,REC HSG,ASSY	 TE Part #444156-4 .250 FASTON REC.	 TE Part #8-1564284-5 96POS,MCON-1.2 CB,REC HSG,ASSY
 TE Part #5-2297790-2 2POS,HPF 1.2,REC HSG,ASSY,SLD	 TE Part #1355528-2 MPQ 2.KONT-SICHNG8P		

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1414122-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1414122-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1414122-0_A.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 F7 A, Maxi ISO, Plug-In

English



Product Specifications

Definitions General Purpose Relays

English