1-1414122-0 ACTIVE

Power Relay F A

TE Internal #: 1-1414122-0

Maxi Relays, 12VDC Coil Voltage Rating, >50A Contact Current Class, Rp 560 Ω , Socket, Monostable, 90 Ω Coil Resistance, Power

Relay F A

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06/17/2024 11:44PM |Page 1

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	
Contact Limiting Short-Time Current	300 A
Contact Limiting Continuous Current	70 A
Current Rating (85°C)	70 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	50 A
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Contact Limiting Breaking Current	30 A
Contact Voltage Rating	12 VDC
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Power Rating DC	1600 mW
Coil Voltage Rating	12 VDC
Coil Resistance	90 Ω
Body Features	
Product Weight	60 g[2.1 oz]

Contact Features



Contact Material	Silver Alloy
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 Ambient Temperature (Max)	125 °C[257 °F]
Operation/Application	
Actuating System	DC
Coil Magnetic System	Monostable
Other	
Length Class (Mechanical)	30 - 35 mm
Environmental Ambient Temperature Class	105 - 125 °C
Insulation Initial Dielectric Between Coil & Contact Class	0 - 500 V
Height Class (Mechanical)	50 mm
Coil Power Rating Class	1500 mW
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: JAN 2024 (240)



	Candidate List Declared Against: JUNE 2023 (235) 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

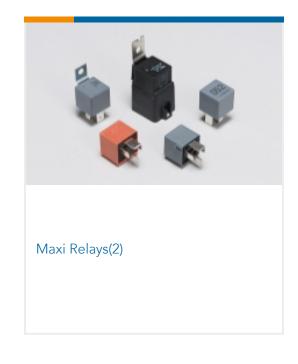
Product Compliance Disclaimer

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



Also in the Series | Power Relay F A





Customers Also Bought





TE Part # 4-968972-1 MCP2,8 GEH ASSY 12P



TE Part # NB10746001 ATUM-32/8-0-85MM



TE Part # 1456987-1 2x4 Fem unsealed LP assy Key A



TE Part # 2359941-6 96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 2359943-1 96POS,MCON-1.2 CB,REC HSG,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 # 8-1564284-6 96POS,MCON-1.2 CB,REC HSG,ASSY



2POS,HPF 1.2,REC HSG,ASSY,SLD

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

Product Specifications

Maxi Relays, 12VDC Coil Voltage Rating, >50A Contact Current Class, Rp 560 Ω , Socket, Monostable, 90 Ω Coil Resistance, Power Relay F A



Definitions General Purpose Relays

English