1-1414121-0 ✔ ACTIVE

Power Relay F A

TE Internal #: 1-1414121-0

Automotive Power Relay, DC, Monostable, 1 Form A SPST-NO, 60 A Contact Rating, 12 VDC Coil Voltage, 12 VDC Contact Voltage, Power Relay F A

View on TE.com >

Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **Automotive Power Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **60 A**

Features

Product Type Features

Relay & Contactor Type	Automotive Power Relay

Configuration Features

Coil Special Features	Rp 680Ω
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	240 A
Contact Limiting Making Current	120 A
Contact Limiting Continuous Current	60 A
Contact Limiting Breaking Current	60 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Resistance	114 Ω
Contact Current Rating	60 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC
Coil Power Rating DC	1.3 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Body Features

Product Weight	60 g[2.1 oz]
Enclosure Type	Dust Protected

Contact Features

Contact Material	Silver Alloy

Termination Features

Main Termination & Connection Type	Quick Connect Terminals
Coil Termination & Connection Type	Quick Connect Terminals

Mechanical Attachment

Product Mounting Feature Type	Mounting Brackets
Product Mount Type	Socket Mount

Dimensions

Product Width	35.2 mm[1.386 in]
Product Length	32.4 mm[1.276 in]
Product Height	54.2 mm[2.133 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	125 °C[257 °F]

Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Other

Coil Power Rating Class	>1 – ≤1.5 W
Contact Current Class	>50 – ≤200 A
Height Class (Mechanical)	>45 – ≤70 mm[>1.772 – ≤2.756 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>33 mm[>1.299 in]

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

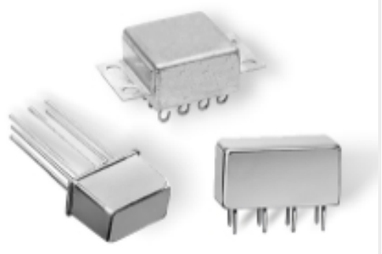
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-1414552-0
V23136A1001X057-EV-CBOX

Also in the Series | Power Relay F A



DC Relays(19)



Electromechanical Relays(19)

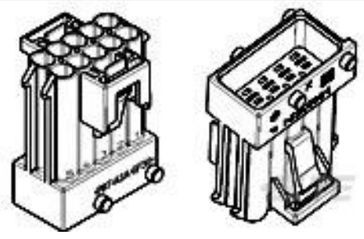


Plug-In Relays(19)

Customers Also Bought



TE Part #K1129539
Relay 30-313-11-925



TE Part #1-962352-1
10P MESSERLEIS-GEH



TE Part #CAT-N05-AT28
2.8 mm Automation Ready Terminals for Automotive Wire Harness Production and High Performance Automation



TE Part #1241408-1
AMP MCP 6.3/4.8K, CONTACT



TE Part #1-1414122-0
V23136J1004X050-EV-CBOX



TE Part #6-1414989-1
V23134Z1020-EV-CBOX



TE Part #2-1904131-9
V23134A4052X543-EV-CBOX



TE Part #9-1415001-5
V23132E2001A200

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1414121-0_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1414121-0_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1414121-0_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 F4 A, Mini ISO, Plug-In

English

Product Specifications

Definitions General Purpose Relays

English