



Power Relay F A

TE Internal #: 1-1414122-0
General Purpose Power Relay, DC, Monostable, 1 Form A (NO), 70 A Contact Rating, 12 VDC Coil Voltage, 12 VDC Contact Voltage, Power Relay F A

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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**
Current Type: **DC**
Coil Magnetic System: **Monostable**
Contact Arrangement: **1 Form A (NO)**
Contact Current Rating: **70 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

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

Electrical Characteristics

Contact Switching Load (Min)	1000mA @ 5VDC
Contact Limiting Short-Time Current	300 A
Contact Limiting Making Current	50 A
Coil Resistance	90 Ω
Contact Limiting Continuous Current	70 A
Contact Limiting Breaking Current	30 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Current Rating	70 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC
Coil Power Rating DC	1.6 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Body Features



Product Weight	60 g[2.1 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	Silver Alloy
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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	32.41 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

Contact Current Class	>50 A
Coil Power Rating Class	1.5 W
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	50 mm
Length Class (Mechanical)	30 – 35 mm
Width Class (Mechanical)	30 – 40 mm

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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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 2025 (247) 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

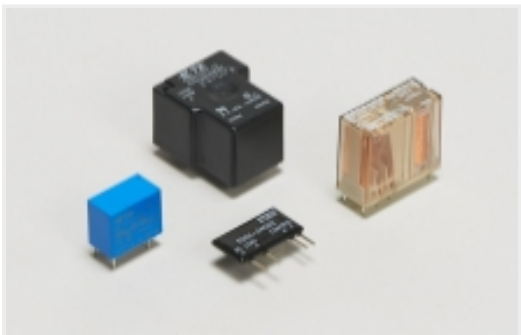


TE Part # 4-1414992-7
V23136A0004X086-EV-CBOX


Also in the Series | Power Relay F A



Automotive Relays(17)




General Purpose Power Relays(17)



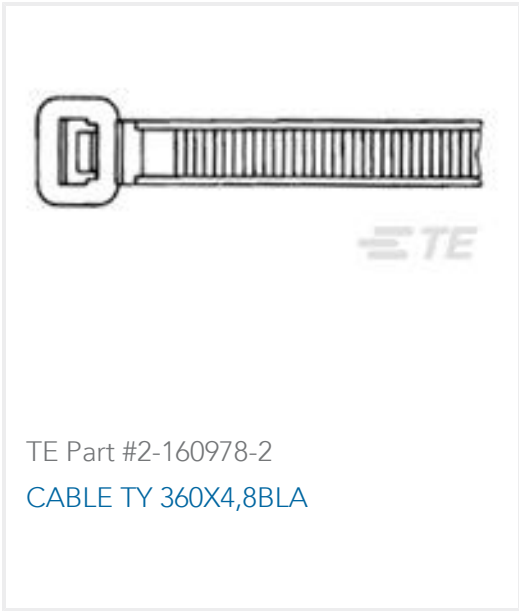
Plug-In Relays(17)




Customers Also Bought




TE Part #1718973-1
JUMPSTART TERMINAL ASSY




TE Part #2-160978-2
CABLE TY 360X4,8BLA




TE Part #2-1825136-7
A101P3ZQ04




TE Part #2348651-1
BLIND PLUG SEALED, MATENET, ASSY




TE Part #3-2176503-2
CJP 80W 220R 5% Lead




TE Part #2358664-6
FLAP, ASSY, INLET COMBO 2, LEFT, LED



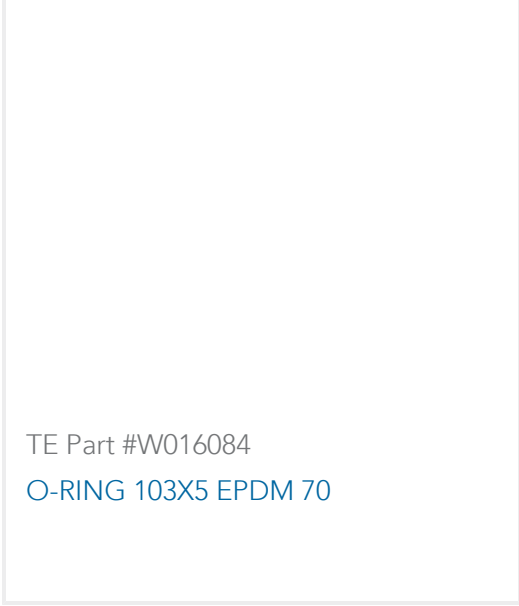
TE Part #7-1415010-9
V23134J0165X517-EV-CBOX



TE Part #1418985-2
FRAME FOR MICRO TIMER 3 REC. HSG. 16 POS



TE Part #2-1534180-1
MCP REC HSG ASSY32P



TE Part #W016084
O-RING 103X5 EPDM 70

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