

Power Relay F A

TE Internal #: 4-1904060-6
12VDC Coil Voltage Rating, >50A Contact Current Class, Socket, Bistable, 25ohm 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
Product Mount Type: Socket
Coil Magnetic System: Bistable
Coil Resistance: 25 Ω

Features

Configuration Features

Contact Arrangement	1 Form A (NO)
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Electrical Characteristics

Contact Limiting Short-Time Current	300 A
Contact Limiting Continuous Current	80 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	300 A
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Contact Current Rating	70 A
Contact Limiting Breaking Current	70 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	25 Ω

Body Features

Product Weight	35 g[1.2 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 Mount Type	Socket
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Dimensions

Product Width	27.8 mm[1.094 in]
Product Length	27.8 mm[1.094 in]
Product Height	25.3 mm[.99 in]

Usage Conditions

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

Operation/Application

Current Type	DC
Coil Magnetic System	Bistable

Other

Environmental Ambient Temperature Class	105 – 125 °C
Length Class (Mechanical)	25 – 30 mm
Height Class (Mechanical)	25 – 30 mm
Coil Power Rating Class	1.5 W
Width Class (Mechanical)	25 – 30 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 # 1393310-4
VCF7-1000=FROM SEC

Also in the Series | Power Relay F A

Maxi Relays(2)

Mini Relays(13)

Customers Also Bought

TE Part #968073-2
PQ5,2 Sn rec LL unseal. >2,5-4

TE Part #4-1564520-1
12POS,TAB 1.6X0.6,TAB HSG,ASSY

TE Part #1-1414147-0
V23134J0052X429-EV-CBOX

TE Part #172615-2
POSITIVE LOCK 312 HOUSING
RECEPTACLE



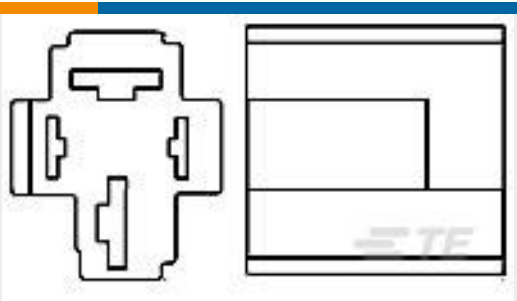
TE Part #967558-1
J-P-T GEH 24P,ASSY



TE Part #HDP24-24-35PE-L017
REC, 35P, BLK, E, RNG, 16/20, P



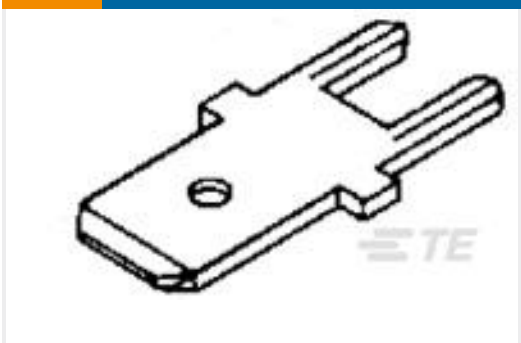
TE Part #2-2138659-0
38 WAY ABS CONNECTOR ASSY



TE Part #1393310-4
VCF7-1000=FROM SEC



TE Part #1599186-1
HSG ASSY 76 POSN SOCKET CONT



TE Part #1217956-1
312 FASTON,PCB TAB,TCBR

Documents

Product Drawings
V23136L0031D642-EV-CBOX

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_4-1904060-6_A_c-4-1904060-6-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_4-1904060-6_A_c-4-1904060-6-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_4-1904060-6_A_c-4-1904060-6-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

1308002-1 Power Relay F7 A Latching Flyer

English

Power Relay F7 A Latching Datasheet

English

Product Specifications



Definitions General Purpose Relays

English