

Power Relay F

TE Internal #: 1-1393304-1

TE Internal Description: V23134J1053D642-EV-CBOX

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Automotive, Truck, Bus & Off-Road Relays > Plug-In Automotive Relays > Maxi Relays

Rated Coil Voltage: **24 VDC**Contact Current Class: **>50A**Mounting Type: **Plug-In**Coil Magnetic System: **Monostable, DC**Coil Resistance: **324 Ω****Features****Product Type Features**

Relay Type	Power Relay F7
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Electrical Characteristics

Coil Power Rating Class	>1.5W
Current Rating (85°C)	25 A
Contact Limiting Short-Time Current	300 A
Insulation Initial Dielectric Between Contacts and Coil	500 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	0 – 500 V
Coil Power Rating (DC)	1800 mW
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	240 A
Contact Limiting Continuous Current	70 A
Rated Voltage	24 VDC
Contact Limiting Breaking Current	25 A
Contact Switching Load (Min)	1000mA @ 5VDC
Rated Coil Voltage	24 VDC
Coil Magnetic System	Monostable, DC
Coil Resistance	324 Ω

Body Features

Weight	38 g[1.3 oz]
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Contact Features

Terminal Type	Plug-In, Quick Connect
Contact Arrangement	1 Form A (NO)
Contact Base Material	Ag Alloy
Contact Current Class	>50A

Mechanical Attachment

Mounting Type	Plug-In
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Dimensions

Width Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	25 – 30 mm
Height Class (Mechanical)	25 – 30 mm
Width	25.9 mm[1.019 in]
Length	25.9 mm[1.019 in]
Height	24.9 mm[.98 in]

Usage Conditions

Environmental Ambient Temperature (Max)	125 °C[257 °F]
Environmental Ambient Temperature Class	105 – 125°C
Environmental Category of Protection	RT I

Other

Mounting Brackets	With
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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: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197)

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 2141026-1
[RELAY BOX ASSY,HARD WIRED](#)

Also in the Series | **Power Relay F**



[Maxi Relays\(13\)](#)



[Mini Relays\(46\)](#)

Customers Also Bought



Documents

CAD Files

Customer View Model

[ENG_CVM_1-1393304-1_S00F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-1393304-1_S00F.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-1393304-1_S00F.2d_dxf.zip](#)

English

3D PDF

English

Datasheets & Catalog Pages

MFINITY Modular Hard Wired Fuse and Relay Box

English

[MFINITY Version AUT](#)

English



[Automotive Relay Application Notes](#)

English

[Power Relay F7 / VF7, Maxi ISO, Plug-In](#)

English

[Product Specifications](#)

[Definitions Relays](#)

English