

1-1414686-0 ✓ ACTIVE

## Power Relay F A

TE Internal #: 1-1414686-0

TE Internal Description: V23136A0004X058-EV-CBOX

[View on TE.com >](#)



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



Rated Coil Voltage: 12 VDC

Contact Current Class: 30 – 50 A

Contact Arrangement: 1 Form C (CO)

Mounting Type: Plug-In

Coil Resistance: 90  $\Omega$

## Features

### Product Type Features

Relay Type	Power Relay F4 A
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### Electrical Characteristics

Current Rating (85°C)	60 A
Coil Power Rating Class	>1.5W W
Contact Limiting Short-Time Current	240 A
Insulation Initial Dielectric Between Contacts and Coil	500 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	0 – 500 V
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Coil Magnetic System	Monostable, DC
Contact Limiting Making Current	120 A
Coil Power Rating (DC)	1600 mW
Contact Limiting Continuous Current	60 A
Rated Voltage	12 VDC
Contact Limiting Breaking Current	60 A
Contact Switching Load (Min)	1000mA @ 5VDC
Rated Coil Voltage	12 VDC
Coil Resistance	90 $\Omega$

### Body Features

Weight	35 g[1.2 oz]
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### Contact Features

Terminal Type	Plug-In, Quick Connect
Contact Base Material	Ag Alloy
Contact Current Class	30 – 50 A
Contact Arrangement	1 Form C (CO)

### Mechanical Attachment

Mounting Type	Plug-In
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### Dimensions

Width Class (Mechanical)	25 – 30 mm
Height	25.5 mm[1.004 in]
Length	28 mm[1.102 in]
Length Class (Mechanical)	25 – 30 mm
Width	28 mm[1.102 in]
Height Class (Mechanical)	25 – 30 mm

### Usage Conditions

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

### Other

Mounting Brackets	Without
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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: DEC 2014 (161) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: DEC 2014 (161)

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.

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

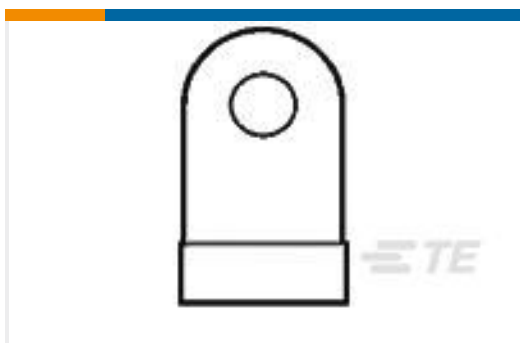


Maxi Relays(2)



Mini Relays(10)

Customers Also Bought



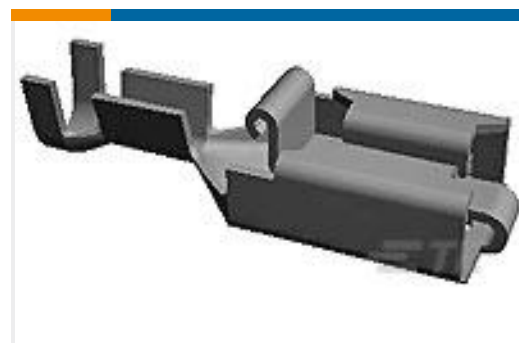
TE Model / Part #327887  
TERMINAL,SOLIS FLAG R  
3/0 3/8



TE Model / Part #165405  
P.G. RING DIN



TE Model / Part #154509-2  
FASTON 250 REC HSG PP  
NAT



TE Model / Part #154718-2  
POSITIVE LOK  
RECEPTACLE



## Documents

### Product Drawings

[V23136A0004X058-EV-CBOX](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1414686-0\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1414686-0\\_O.3d\\_igs.zip](#)

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Customer View Model

[ENG\\_CVM\\_CVM\\_1-1414686-0\\_O.3d\\_stp.zip](#)

English

### Datasheets & Catalog Pages

[Automotive Relay Application Notes](#)

English

[Power Relay F4 A, Mini ISO, Plug-In](#)

English

### Product Specifications

[Definitions Relays](#)

English