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Relays, Contactors & Switches ▸ Relays ▸ Automotive Relays ▸ Automotive Plug-In Relays In High Current And Latching Versions ▸ Mini Relays

7-1414985-1 ACTIVE

Power Relay F A, Mini Relays, 12VDC Rated Coil Voltage, 30 – 50 A, 1 Form C (CO), Rp 680Ω, Plug-In, 90Ω Mini Relay Coil Resistance



Power Relay F A  
TE Internal #: **7-1414985-1**  
TE Internal Description: **V23136A0004X075-EV-CBOX**

Rated Coil Voltage (VDC): **12**  
Mini Relay Contact Current Class : **30 – 50 A**  
Mini Relay Contact Arrangement : **1 Form C (CO)**  
Coil Suppression : **Rp 680Ω**  
Mini Relay Mounting Type : **Plug-In**

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Documents

Features

Product Compliance

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features Relay Type : **Power Relay F4 A**

Electrical Characteristics Contact Switching Load (Min) : **1000mA @ 5VDC**  
Contact Limiting Breaking Current (A): **60**  
Rated Voltage (VDC): **12**  
Rated Coil Voltage (VDC): **12**  
Coil Suppression : **Rp 680Ω**  
Mini Relay Coil Resistance (Ω): **90**  
Contact Limiting Continuous Current (A): **60**  
Coil Power Rating (DC) (mW): **1600**  
Contact Limiting Making Current (A): **120**  
Coil Magnetic System : **Monostable, DC**  
Insulation Initial Dielectric Between Open Contacts (Vrms): **500**  
Insulation Initial Dielectric Between Coil/Contact Class : **0 – 500 V**  
Insulation Initial Dielectric Between Contacts and Coil (Vrms): **500**  
Contact Limiting Short-Time Current (A): **240**  
Coil Power Rating Class (W): **>1.5W**  
Current Rating (85°C) (A): **60**

Body Features Weight : **35 g [ 1.2 oz ]**

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

Mechanical Attachment Mini Relay Mounting Type : **Plug-In**

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

Usage Conditions Environmental Ambient Temperature (Max): **125 °C [ 257 °F ]**  
Environmental Ambient Temperature Class : **105 – 125°C**

Other Mounting Brackets : **Without**

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Socket for Mini Relays, Relay Sockets, Wiring Harness, Relay...  
From: \$0.469  
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### THIS PRODUCT

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Non-Stocked

Rated Coil Voltage : **12 VDC**  
Mini Relay Contact Current Class : **30 – 50 A**  
Mini Relay Contact Arrangement : **1 Form C (CO)**  
Coil Suppression : **Rp 680Ω**  
Mini Relay Mounting Type : **Plug-In**

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MINI RELAYS  
**1-1414687-0**  
VF4A, Mini Relays, 12VDC Rated Coil Voltage, 30 – 50 A, 1 Form C...



In-Stock

Rated Coil Voltage : **12 VDC**  
Mini Relay Contact Current Class : **30 – 50 A**  
Mini Relay Contact Arrangement : **1 Form C (CO)**  
Coil Suppression : **Rp 680Ω**  
Mini Relay Mounting Type : **Plug-In**

MINI RELAYS  
**1-1414686-0**  
Power Relay F A, Mini Relays, 12VDC Rated Coil Voltage, 30 – 50...



In-Stock

Rated Coil Voltage : **12 VDC**  
Mini Relay Contact Current Class : **30 – 50 A**  
Mini Relay Contact Arrangement : **1 Form C (CO)**  
Mini Relay Mounting Type : **Plug-In**  
Mini Relay Coil Resistance : **90 Ω**

MINI RELAYS  
**4-1414992-7**  
Power Relay F A, Mini Relays, 12VDC Rated Coil Voltage, 30 – 50...



Non-Stocked

Rated Coil Voltage : **12 VDC**  
Mini Relay Contact Current Class : **30 – 50 A**  
Mini Relay Contact Arrangement : **1 Form C (CO)**  
Coil Suppression : **Diode (Cathode 86) ...**

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Maxi Relays (2)



Mini Relays (10)