ISO POWER RELAYS SERIES

18 V DC Max 70 A Form A and Form C ISO Power Relays with 12 V Isolated Coil

RA-700112-DN

RC-700112-RN

Specifications

Current Rating Continuous:	70A
Max Voltage Rating:	18 VDC
Ingress Protection:	IP-40
Mounting Method:	Metal Bracket With Hole Diameter of 0.216"(5.5 MM)
Coil Voltage:	12 VDC
Coil Impedance:	80 Ω ± 10%
Contacts:	Silver Alloy
Input Terminals:	9.5mm Tin Plated Blade Terminals
Temperature:	-40°C to 85°C
Circuitry:	SPST
Housing:	Black Plastic Body
Insulation Resistance:	100MΩ Min

Description

The ISO Power Relays Series offers a variety of Form A and Form C automotive plug-in relays featuring a 12 V isolated coil. Adhering to the ISO Maxi Relay form factor, these power relays plug into existing boxes along with fuses or other components (sold separately), helping you tailor your vehicle's power distribution box for the capability you need, such as lighting, starting, horn, heating and cooling, or fan control.

Whether you need a relay with resistor or diode suppression or a relay without suppression, the ISO Power Relays Series includes a version to accommodate the requirement of your application.

In addition, there are two different options for circuitry. Form A relays in this series have single-pole, single-throw (SPST) circuitry, while Form C relays in this series have single-pole, double-throw (SPDT) circuitry.

Web Resources

Download 2D print, installation guide and technical resources at: **littelfuse.com/ISO-Power**

Applications

- Lighting Control
- Starting Control
- Horn Control
- Heating and Cooling Control
- Fan Control

Features and Benefits

- Broad offering of Form A (SPST) and Form C (SPDT) relay options
- Continuous current rating of 70 A
- 12 V dc isolated coil
- Coil impedance of 80 ohms
- Suppression options include resistor, diode, and no suppression
- IP40 ingress protection rating
- Includes a metal bracket with a 0.216" (5.5 mm) hole diameter for panel mounting

Ordering Information

PART NUMBER	DESCRIPTION	CONNECTOR	OUTPUT TERMINALS
RA-700112-DN	18 V Max 70 A Form A ISO Power Relay with Diode	6.3mm Tin Plated Blade Terminals	9.5mm Tin Plated Blade Terminals
RA-700112-DN-BX	18 V Max 70 A Form A ISO Power Relay with Diode - Boxed	6.3mm Tin Plated Blade Terminals	9.5mm Tin Plated Blade Terminals
RA-700112-NN	18 V Max 70 A Form A ISO Power Relay with No Suppression	6.3mm Tin Plated Blade Terminals	9.5mm Tin Plated Blade Terminals
RA-700112-NN-BX	18 V Max 70 A Form A ISO Power Relay with No Suppression - Boxed	6.3mm Tin Plated Blade Terminals	9.5mm Tin Plated Blade Terminals
RA-700112-RN	18 V Max 70 A Form A ISO Power Relay with Resistor	6.3mm Tin Plated Blade Terminals	9.5mm Tin Plated Blade Terminals
RA-700112-RN-BX	18 V Max 70 A Form A ISO Power Relay with Resistor - Boxed	6.3mm Tin Plated Blade Terminals	9.5mm Tin Plated Blade Terminals
RC-700112-DN	18 V Max 70 A Form C ISO Power Relay with Diode	6.3mm Tin Plated Blade Terminals	Normally Open Output is 9.5mm Tin Plated Blade Terminals Normally Closed Output is a 6.3mm Tin plated blade terminal
RC-700112-DN-BX	18 V Max 70 A Form C ISO Power Relay with Diode - Boxed	6.3mm Tin Plated Blade Terminals	Normally Open Output is 9.5mm Tin Plated Blade Terminals Normally Closed Output is a 6.3mm Tin plated blade terminal
RC-700112-NN	18 V Max 70 A Form C ISO Power Relay with No Suppression	6.3mm Tin Plated Blade Terminals	Normally Open Output is 9.5mm Tin Plated Blade Terminals Normally Closed Output is a 6.3mm Tin plated blade terminal
RC-700112-NN-BX	18 V Max 70 A Form C ISO Power Relay with No Suppression - Boxed	6.3mm Tin Plated Blade Terminals	Normally Open Output is 9.5mm Tin Plated Blade Terminals Normally Closed Output is a 6.3mm Tin plated blade terminal
RC-700112-RN	18 V Max 70 A Form C ISO Power Relay with Resistor	6.3mm Tin Plated Blade Terminals	Normally Open Output is 9.5mm Tin Plated Blade Terminals Normally Closed Output is a 6.3mm Tin plated blade terminal
RC-700112-RN-BX	18 V Max 70 A Form C ISO Power Relay with Resistor - Boxed	6.3mm Tin Plated Blade Terminals	Normally Open Output is 9.5mm Tin Plated Blade Terminals Normally Closed Output is a 6.3mm Tin plated blade terminal