

ISO Mini Relays Series

18V and 36V Max ISO Mini 6.3mm
Form A, Form 2A, and Form C Relays



RC-400112-NN

Description

Our ISO Mini Relays are compact, modular, general-purpose relays that allow you to tailor your vehicle's power distribution box for the capability you need, including lighting, starting, horn, heating and cooling, or fan control.

Adhering to the ISO Mini 6.3 mm form factor, these relays plug into existing, ISO Mini boxes along with fuses or other components (sold separately).

This series offers a wide selection of Mini relays to meet the requirements of a variety of applications. Options include Form A (SPST), Form 2A (SPST with two terminals), and Form C (SPDT) relays, versions with resistor suppression, diode suppression, or no suppression, and models that are sealed (IP64), unbracketed or unsealed (IP40), bracketed configurations.

Web Resources

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

Specifications

Current Rating Continuous:	20A DC, 40A DC
Max Voltage Rating:	36V DC, 18V DC
Ingress Protection:	IP-40, IP-64
Mounting Method:	Panel Mount
Coil Voltage:	12V DC, 24V DC
Coil Impedance:	90 $\Omega \pm 10\%$, 360 $\Omega \pm 10\%$
Contacts:	Silver Alloy
Input Terminals:	Tin-Plated
Output Terminals:	Tin-Plated
Temperature:	-40°C to 85°C
Circuitry:	SPST
Housing:	Black Plastic Body
Voltage Drop:	30m Ω Max
Insulation Resistance:	100M Ω Min

Applications

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

Features and Benefits

- Broad offering of Form A (SPST), Form 2A (SPST with two terminals), and Form C (SPDT) relay options
- Rated for either 18V max with a 12V DC coil rating or 36V max with a 24V DC coil rating
- Versions are available with either a 20A or 40A continuous current rating
- Suppression options include resistor, diode, and no suppression
- Sealed (IP64) and unsealed (IP40) versions to match the water- and dust-protection requirements of your application
- Bracketed options are available for panel mounting

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Ordering Information

PART NUMBER	DESCRIPTION	COIL TYPE	MOUNTING METHOD
RA-400112-DN	18V Max 40A Form A ISO Mini Relay with Diode Suppression and Bracket	Isolated W/ Diode Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RA-400112-RN	18V Max 40 A Form A ISO Mini Relay with Resistor Suppression and Bracket	Isolated W/ Resistor Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RA-400112-RN-BX	18V Max 40A Form A ISO Mini Relay with Resistor Suppression and Bracket - Boxed	Isolated W/ Resistor Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-200124-DN	36V Max 20A Form C ISO Mini Relay with Diode Suppression and Bracket	Isolated W/ Diode Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-200124-NN	36V Max 20A Form C ISO Mini Relay with Bracket	Isolated	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-200124-RN-BX	36V Max 20A Form C ISO Mini Relay with Resistor Suppression and Bracket	Isolated W/ Resistor Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-400012-DS	18V Max 40A Sealed Form C ISO Mini Relay with Diode Suppression	Isolated W/ Diode Suppression	Blade Terminals Mounting
RC-400112-DN	18V Max 40A Form C ISO Mini Relay with Diode Suppression and Bracket	Isolated W/ Diode Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-400112-NN	18V Max 40A Form C ISO Mini Relay with Bracket	Isolated	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-400112-NN-BX	18V Max 40A Form C ISO Mini Relay with Bracket - Boxed	Isolated	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-400112-RN	18V Max 40A Form C ISO Mini Relay with Resistor Suppression and Bracket	Isolated W/ Resistor Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-400112-RN-BX	18V Max 40A Form C ISO Mini Relay with Resistor Suppression and Bracket - Boxed	Isolated W/ Resistor Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RA-200124-DN	36V Max 20A Form A ISO Mini Relay with Diode Suppression and Bracket	Isolated W/ Diode Suppression	BRACKET STYLE "L" With Hole Diameter of 0.209" (5.3 MM)
RC-200024-DS	36V Max 20A Sealed Form C ISO Mini Relay with Diode Suppression	Isolated W/ Diode Suppression	Blade Terminals Mounting