ISO MICRO RELAYS SERIES

16 V and 30 V Max Form A and Form C ISO Micro Relays

MA-250012-RN

MA-250012-RS

02040090Z

Specifications

Max Voltage Rating:	16 VDC, 30 VDC
Ingress Protection:	IP 5X
Coil Voltage:	14 VDC, 15.6 VDC
Coil Type:	Isolated
Coil Protection:	Resistor
Temperature:	-40°C to 85°C, -40°C to 125°C
Circuitry:	SPST, SPDT

Description

The ISO Micro Relays Series includes a range of general-purpose automotive plug-in relays for controlling lamps, horns, power windows, fuel pumps, lift gates, and more. These ISO Micro relays are smaller than standard-size Mini plug-in relays for space savings in hard-wired boxes.

This series offers a variety of models, including a 16 V Max SPST 4-pin Mini-Micro relay, a 16 V Max SPDT 5-pin Micro relay, and several 30 V Max Form A and Form C Micro relays. Some models feature resistor suppression, while others have no suppression.

Applications

- Lamp Control
- Horns
- Power Windows
- Fuel Pumps
- Fans

Web Resources

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

Features and Benefits

- Form A single-pole, single-throw (SPST) and Form C single-pole, double-throw (SPDT) relays
- 14 V and 15.6 V coil versions are available
- All models feature an isolated coil
- Dielectric strength of 500 V

Ordering Information

PART NUMBER	DESCRIPTION	CURRENT RATING CONTINUOUS	COIL IMPEDANCE	COIL PROTECTION	AGENCY APPROVAL - VIBRATION	INPUT TERMINALS	OUTPUT TERMINALS
02040080Z	16 V Max 20 A SPST ISO 280 Mini-Micro 4-Pin Relay with Resistor	20 Amps	132 Ω	Resistor	10-500Hz , 5.0G	2.8mm Blade Terminals	2.8mm Blade Terminals
02040090Z	16 V Max 35 A SPDT ISO 280 Micro 5-Pin Relay with Resistor	N.O: 35 Amps N.C: 20 Amps	104 Ω	Resistor	10-500Hz , 5.0G	2.8mm Blade Terminals	2.8mm Blade Terminals
MA-250012-NN	30 V Max 25 A Form A SPST ISO Micro Relay	N.O: 25 Amps N.C: 20 Amps	120 Ω	N/A	10-40 Hz, Double amplitude 1.27 mm	6.3mm Blade Terminals	6.3mm Blade Terminals
MA-250012-RS	30 V Max 25 A Sealed Form A SPST ISO Micro Relay with Resistor	N.O: 25 Amps N.C: 20 Amps	120 Ω	Resistor	10-40 Hz, Double amplitude 1.27 mm	6.3mm Blade Terminals	6.3mm Blade Terminals
MC-250012-NN	30 V Max 25 A Form C SPDT ISO Micro Relay	N.O: 25 Amps N.C: 20 Amps	96 Ω	N/A	10-40 Hz, Double amplitude 1.27 mm	6.3mm Blade Terminals	6.3mm (NO) and 4.8mm (NC) Blade Terminals
MC-250012-RN	30 V Max 25 A Form C SPDT ISO Micro Relay with Resistor	N.O: 25 Amps N.C: 20 Amps	96 Ω	Resistor	10-40 Hz, Double amplitude 1.27 mm	6.3mm Blade Terminals	6.3mm (NO) and 4.8mm (NC) Blade Terminals

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