

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

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.

Web Resources

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

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 |

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 |

Applications

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

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