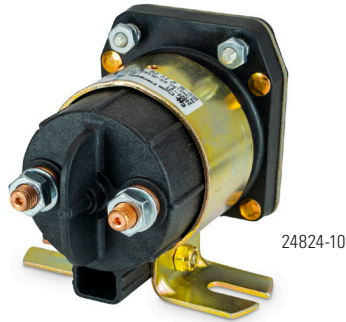


# PLASTIC-BODY CONTINUOUS-DUTY SPST SERIES

12-48 V 100-225 A Solenoid Relays



24512-10



24824-10



24624-10

Our Plastic-Body Continuous-Duty SPST Series Solenoid Relays are available for a wide range of applications, including starting small engines in lawn tractors, golf carts, sweepers, and more and for use in heavy-duty vehicles, hydraulic systems, and machinery.

Commonly referred to as remote-acting switches, the solenoid switch models available in this Cole Hersee solenoid series feature single-pole, single-throw (SPST) circuitry with normally open contacts and a glass-reinforced-nylon body that is lightweight, durable, and resistant to corrosion.

The available 100 A continuous-duty starter solenoid models feature silver contact surfaces and can be found in configurations with stud coil terminals or blade coil terminals with insulated 12 V coils or 24 V coils. They come with either an L-style or F-style metal bracket.

The heavy-duty, continuous-duty solenoid relays with a 225 A make/break current rating come with either copper or silver contacts and are available with 12 V, 24 V, or 48 V insulated coils with stud contacts. All available heavy-duty solenoid relay models feature an L-style metal bracket.

## Specifications

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| <b>Max Voltage Rating:</b>           | 14, 27, 36, 48 VDC                       |
| <b>Current Rating Continuous:</b>    | 100A, 225A                               |
| <b>Coil Voltage:</b>                 | 12, 24, 36, 48 VDC                       |
| <b>Coil Type:</b>                    | Insulated                                |
| <b>Connector:</b>                    | 0.25in (6.35mm) Blade Terminals for Coil |
| <b>Circuitry:</b>                    | SPST                                     |
| <b>Housing:</b>                      | Glass Reinforced Nylon, Black            |
| <b>Normal Position:</b>              | Open                                     |
| <b>Dielectric Withstand Voltage:</b> | 600V                                     |
| <b>Insulation Resistance:</b>        | >100MΩ                                   |

## Applications

- Small Engines
- Heavy-Duty Equipment & Machinery

## Features and Benefits

- Available in a wide variety of configurations with options for copper or silver contacts, 12 V, 24 V, or 48 V coils, and blade or stud coil terminals
- SPST circuitry with normally open contacts
- Lightweight, glass-reinforced-nylon body is durable and resists corrosion
- 5/16"-24 main contact studs with hex nuts and lock washers included

## Web Resources

Download 2D print, installation guide and technical resources at: [littelfuse.com/PlasticBodyCont](https://littelfuse.com/PlasticBodyCont)

# PLASTIC-BODY CONTINUOUS-DUTY SPST SERIES

## 12-48 V 100-225 A Solenoid Relays

| PART NUMBER | DESCRIPTION                                                                                    | COIL IMPEDANCE | HARDWARE                                                                                          | INPUT TERMINALS                                       | TEMPERATURE                     | MOUNTING METHOD                                                                                                   |
|-------------|------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 24512-10    | 14 V Max 100 A Starter Solenoid Relay with Blade Coil Terminals & F Bracket                    | 16 $\Omega$    | Bagged<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16                                               | 2X Copper Stud 5/16-24                                | -40°C to 59°C<br>(-40 to 140°F) | BRACKET STYLE "F" with 2 slots of 0.281" X 0.406" (7.14mm X 10.31mm)<br>2.25" (57.15mm) from center to center     |
| 24512-10-BX | 14 V Max 100 A Starter Solenoid Relay with Blade Coil Terminals & F Bracket - Boxed            | 16 $\Omega$    | Bagged<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16                                               | 2X Copper Stud 5/16-24                                | -40°C to 59°C<br>(-40 to 140°F) | BRACKET STYLE "F" with 2 slots of 0.281" X 0.406" (7.14mm X 10.31mm)<br>2.25" (57.15mm) from center to center"    |
| 24524-10D   | 27 V Max 100 A Starter Solenoid Relay with Blade Coil Terminals, Diode Suppression & F Bracket | 76 $\Omega$    | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16                                            | 2X Copper Stud 5/16-24                                | -40°C to 75°C                   | "BRACKET STYLE "F" with 2 slots of 0.281" X 0.406" (7.14mm X 10.31mm)<br>2.25" (57.15mm) from center to center    |
| 24612       | 14 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & L Bracket                     | 18.6 $\Omega$  | Assembled<br>2x Hex Nut #10-32<br>2x Lock Washer #12<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/17 | 2X Steel Plated Stud #10-32<br>2X Copper Stud 5/16-24 | -40°C to 59°C<br>(-40 to 140°F) | BRACKET STYLE "L" with 2 slots of 0.496" (12.60mm) large<br>2.19" (55.50mm) from center to center                 |
| 24612-10    | 14 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & F Bracket                     | 18.6 $\Omega$  | Assembled<br>2x Hex Nut #10-32<br>2x Lock Washer #12<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/17 | 2X Steel Plated Stud #10-32<br>2X Copper Stud 5/16-24 | -40°C to 59°C<br>(-40 to 140°F) | BRACKET STYLE "F" with 2 slots of 0.406" (10.31mm) large<br>2.25" (57.15mm) from center to center                 |
| 24612-10-BX | 14 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & F Bracket - Boxed             | 18.6 $\Omega$  | Assembled<br>2x Hex Nut #10-32<br>2x Lock Washer #12<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/17 | 2X Steel Plated Stud #10-32<br>2X Copper Stud 5/16-24 | -40°C to 59°C<br>(-40 to 140°F) | BRACKET STYLE "F" with 2 slots of 0.406" (10.31mm) large<br>2.25" (57.15mm) from center to center                 |
| 24612-BX    | 14 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & L Bracket - Boxed             | 18.6 $\Omega$  | Assembled<br>2x Hex Nut #10-32<br>2x Lock Washer #12<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/17 | 2X Steel Plated Stud #10-32<br>2X Copper Stud 5/16-24 | -40°C to 59°C<br>(-40 to 140°F) | BRACKET STYLE "L" with 2 slots of 0.496" (12.60mm) large<br>2.19" (55.50mm) from center to center                 |
| 24624-10    | 27 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & L Bracket                     | 76 $\Omega$    | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Steel Plated Stud #10-32<br>2X Copper Stud 5/16-24 | -40°C to 75°C                   | BRACKET STYLE "L"<br>with 2 slots of 9/32" x 13/32" (7.1 x 10.3 mm) on 2 1/4" (57.1 mm) from center to center     |
| 24624-10-BX | 27 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & L Bracket - Boxed             | 76 $\Omega$    | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Steel Plated Stud #10-32<br>2X Copper Stud 5/16-24 | -40°C to 75°C                   | BRACKET STYLE "L" with 2 slots of 9/32" x 13/32" (7.1 x 10.3 mm) on 2 1/4" (57.1 mm) from center to center        |
| 24812       | 14 V Max 225 A Insulated Heavy-Duty Solenoid with Copper Contacts                              | 7.7 $\Omega$   | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16-24              | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |
| 24812-01    | 14 V Max 225 A Insulated Heavy-Duty Solenoid Relay with Silver Contacts                        | 7.7 $\Omega$   | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16-24              | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |
| 24812-01-BX | 14 V Max 225 A Insulated Heavy-Duty Solenoid Relay with Silver Contacts - Boxed                | 7.7 $\Omega$   | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16-24              | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |
| 24812-BX    | 14 V Max 225 A Insulated Heavy-Duty Solenoid with Copper Contacts - Boxed                      | 7.7 $\Omega$   | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16-24              | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |
| 24824-01    | 27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts                                  | 32 $\Omega$    | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16-24              | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |
| 24824-01-BX | 27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts - Boxed                          | 32 $\Omega$    | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16"-24             | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |
| 24848       | 48 V 225 A Insulated Heavy-Duty Solenoid Relay with Copper Contacts                            | 126 $\Omega$   | Assembled<br>2x Hex Nut 5/16-24<br>2x Lock Washer 5/16<br>2x Hex Nut #10-32<br>2x Lock Washer #10 | 2X Stud #10-32<br>2X Copper Stud 5/16"-24             | -40°C to 60°C                   | BRACKET STYLE "L" with 2 long slots of 9/32" x 13/16" (7.1 x 20.6 mm) on 1 61/64" (49.5 mm) from center to center |