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.

Web Resources

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

Specifications

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

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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 Ω	Bagged 2x Hex Nut 5/16-24 2x Lock Washer 5/16	2X Copper Stud 5/16-24	-40°C to 59°C (-40 to 140°F)	BRACKET STYLE "F" with 2 slots of 0.281" X 0.406" (7.14mm X 10.31mm) 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 Ω	Bagged 2x Hex Nut 5/16-24 2x Lock Washer 5/16	2X Copper Stud 5/16-24	-40°C to 59°C (-40 to 140°F)	BRACKET STYLE "F" with 2 slots of 0.281" X 0.406" (7.14mm X 10.31mm) 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 Ω	Assembled 2x Hex Nut 5/16-24 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) 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 Ω	Assembled 2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	2X Steel Plated Stud #10-32 2X Copper Stud 5/16-24	-40°C to 59°C (-40 to 140°F)	BRACKET STYLE "L" with 2 slots of 0.496" (12.60mm) large 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 Ω	Assembled 2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	2X Steel Plated Stud #10-32 2X Copper Stud 5/16-24	-40°C to 59°C (-40 to 140°F)	BRACKET STYLE "F" with 2 slots of 0.406" (10.31mm) large 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 Ω	Assembled 2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	2X Steel Plated Stud #10-32 2X Copper Stud 5/16-24	-40°C to 59°C (-40 to 140°F)	BRACKET STYLE "F" with 2 slots of 0.406" (10.31mm) large 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 Ω	Assembled 2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	2X Steel Plated Stud #10-32 2X Copper Stud 5/16-24	-40°C to 59°C (-40 to 140°F)	BRACKET STYLE "L" with 2 slots of 0.496" (12.60mm) large 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Steel Plated Stud #10-32 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
24624-10-BX	27 V Max 100 A Starter Solenoid Relay with Stud Coil Terminals & L Bracket - Boxed	76 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Steel Plated Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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 Ω	Assembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	2X Stud #10-32 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

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