## PLASTIC-BODY CONTINUOUS-DUTY SPST SERIES 12-48 V 100-225 A Solenoid Relays



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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2012 III     HV Max WA Starter Storeout Max Factabate     Backgood Control     Provide the Control     Provide the Contro	PART NUMBER	DESCRIPTION	COIL IMPEDANCE	HARDWARE	INPUT TERMINALS	TEMPERATURE	MOUNTING METHOD
2462-16 EX     Ruly with Buc Coll Terminels     10.0     2.4 set MS 197-64 (with Start)     2.4 se	24512-10	Relay with Blade Coil Terminals & F Bracket	16 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16			0.406" (7.14mm X 10.31mm) 2.25" (57.15mm) from center to center
24264-100     Belay with Black Call Terminate, Based Suppressing Filterated     76.0     20. Inst Water 10.00 Vites Water 10.00 Vi	24512-10-BX	Relay with Blade Coil Terminals & F Bracket - Boxed	16 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16			0.406" (7.14mm X 10.31mm) 2.25" (57.15mm) from center to center"
24012     He Max 10.0 Sprare Solemod Relay with Stud Coll Termines & U Encoder     19.6.0     2 // Fee Nam 11.02 2 // Encoder     36.00     2 // Fee Nam 11.02 2 // Encoder     44/0 // Encoder     98.000000000000000000000000000000000000	24524-10D	Relay with Blade Coil Terminals,	76 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16		-40°C to 75°C	0.406" (7.14mm X 10.31mm)
2492210 H4 V Max L0A Stature Solumals Belay with Statu G Terminals Floader 195.0 2.7 Max War 103.52 2.1 cbt VMax 107 2.1 cbt VMax 107 2.	24612	Relay with Stud Coil Terminals &	18.6 Ω	2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	Stud #10-32 2X Copper Stud		(12.60mm) large
Path     Max With Stud Coll Formatis & FBracket - Board     18.6 Q     24.Hex Mut P10.32 24.Hex Mus P10.2 24.Hex M	24612-10	Relay with Stud Coil Terminals &	18.6 Ω	2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	Stud #10-32 2X Copper Stud		(10.31mm) large
24612-BX     H4 V Max 100 A Starter Solenoid L Bracket - Boxed     18.6 Ω LB a D     2.4 Hex Nut 10.3 Z 2 V Max 100 A Starter Solenoid 2 V Hex Nut 5/16-24     CASEMPTION Solenoid 2 V Max 100 A Starter Solenoid Relay with Stud Coll Terminals & D LB racket - Boxed     2.4 Hex Nut 1/0.3 Z 2 V Max 100 A Starter Solenoid 2 V Max 100 A Starter Solenoid 2 V Max 100 A Starter Solenoid Relay with Stud Coll Terminals & D LB racket - Boxed     76 Ω 2 V Lock Washer 7/10 2 V Lock Washer 7/10 2 V Max 100 A Starter Solenoid 2 V Max 100 A Starter Solenoid Relay with Stud Coll Terminals & D Racket - Strute - V with 2 slots of 9.42 Y - V Max 100 A Starter Solenoid 2 V Max 25 A Insulated Heavy Contacts     77 Ω 2 V Lock Washer 7/10 2 V Lock Washer 7/10	24612-10-BX	Relay with Stud Coil Terminals &	18.6 Ω	2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	Stud #10-32 2X Copper Stud		(10.31mm) large
2424-10     27 V Max 100 A Starter Solenoid Belay with Stud Coll Terminals & L Bracket     76 Ω     22 Hax Nutr 5/16-24 Assembled     XX Main Frainale Stud #10-32 Z k lock Washer F/16     -40°C to 75°C     BRACKET STYLE 'L' with 2 slot of 9/32' x 13/22' (7.1 x 10.3 mm) or 2 1/4' (57.1 mm) from center to center       24624-10-BX     27 V Max 100 A Starter Solenoid Relay with Stud Coll Terminals & L Bracket - Boxed     76 Ω     22 Hax Nutr 5/16-24 Z k lock Washer F/16 Z k lex Nutr 5/16-24     2X Stel P Plated Stud #10-32 Z k lock Washer F/16 Z k lex Nut F0.52 Z k lock Washer F/16     -40°C to 75°C     BRACKET STYLE 'L' with 2 slot of 9/32' x 13/22' (7.1 x 10.3 mm) or 2.1/4' (57.1 mm) from center to center       24812-01     14 V Max 225 A Insulated Heavy- Duty Solenoid with Copper Contacts     77 Ω     Z k lex Nut 5/16-24 Z k lock Washer F/16     Z Stud #10-32 Z k lock Washer F/16     -40°C to 60°C     BRACKET STYLE 'L' with 2 long slots of 9/32' x 13/16'(7.1 x 20.5 mm) on 16'/6'(4.95 mm) from center to center       24812-01-BX     14 V Max 225 A Insulated Heavy- Contacts     77 Ω     Z k lock Washer F/16 Z k lock Washer F/16     Z Stud #10.32     -40°C to 60°C     BRACKET STYLE 'L' with 2 long slots of 9/32' x 13/16'(7.1 x 20.5 mm) on 16'/6'(4.95 mm) from center to center       24812-01-BX     14 V Max 225 A Insulated Heavy- Contacts     77 Ω     Z k lock Washer F/16 Z k lock Washer F/16     Z Stud #10.32 Z k lock Washer F/16     -40°C to 60°C     BRACKET STYLE 'L' with 2 long slots of 9/	24612-BX	Relay with Stud Coil Terminals &	18.6 Ω	2x Hex Nut #10-32 2x Lock Washer #12 2x Hex Nut 5/16-24 2x Lock Washer 5/17	Stud #10-32 2X Copper Stud		(12.60mm) large
24524-10-BX     27 V Max 100 A Starter Solenoid Belay with Studic Oil Terminals & L Bracket - Boxed     76 Ω     2.4 kew Nut 5/16-24 2 k kew Nut 6/10.32 2 k kew Nu	24624-10	Relay with Stud Coil Terminals &	76 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #10	Stud #10-32 2X Copper Stud	-40°C to 75°C	with 2 slots of 9/32" x 13/32" (7.1 x 10.3 mm) on
24812 14 V Max 225 A Insulated Heavy- Duty Solenoid with Copper Contacts 7.7 Ω 2x Hex Nut 5/16.24 2x Lock Washer 5/16 2x Hex Nut 470.32 2x Lock Washer 7/10 2x Stud #10.32 2x Lock Washer 7/10 -40°C to 60°C BRACKET STYLE 'L' with 2 long slots of 3/32' x 1/16'(13 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 7.7 Ω 2x Hex Nut 5/16.24 2x Lock Washer 7/10 2x Stud #10.32 2x Lock Washer 7/10 40°C to 60°C BRACKET STYLE 'L' with 2 long slots of 3/32' x 10/16'(13 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 - Boxed 7.7 Ω 7.7 Ω 2x Hex Nut 5/16.24 2x Lock Washer 7/10 2x Stud #10.32 2x Lock Washer 7/10 40°C to 60°C BRACKET STYLE 'L' with 2 long slots of 3/32' x 13/16'(13 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 with Copper Contacts - Boxed 7.7 Ω Assembled 2x Hex Nut 5/16.24 2x Lock Washer 7/10 2X Stud #10-32 2x Lock Washer 7/10 40°C to 60°C BRACKET STYLE 'L' with 2 long slots of 9/32' x 13/16'(11 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 with Silver Contacts 32 Ω 22 Ω 2X Stud #10-32 2x Lock Washer 7/10 2X Stud #10-32 2X Lock Washer 7/10 40°C to 60°C 2X Hex Nut 5/16-24 2X Lock Washer 7/10 40°C to 60°C BRACKET STYLE 'L' with 2 long slots of 9/32' X 13/16'(1	24624-10-BX	Relay with Stud Coil Terminals &	76 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	Stud #10-32 2X Copper Stud	-40°C to 75°C	13/32" (7.1 x 10.3 mm) on 2 1/4" (57.1 mm) from
24812-0114 V Max 225 A Insulated Heavy- Duty Solenoid Relay with Silver Contacts7.7 Ω2 x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Lock Washer 4102.X Stud #10-32 2X Copper Stud 2X Lock Washer 410-40°C to 60°CBRACKET 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 center24812-01-BX14 V Max 225 A Insulated Heavy- Duty Solenoid Relay with Silver Contacts - Boxed7.7 ΩAssembled 2X Hex Nut 5/16-24 2X Lock Washer 4102X Stud #10-32 2X Copper Stud 2X Lock Washer 410-40°C to 60°CBRACKET 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 center24812-01-BX14 V Max 225 A Insulated Heavy- Duty Solenoid with Copper Contacts - Boxed7.7 ΩAssembled 2X Hex Nut 5/16-24 2X Lock Washer 4102X Stud #10-32 2X Lock Washer 410-40°C to 60°CBRACKET 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 center24812-BX14 V Max 225 A Insulated Heavy- Duty Solenoid with Copper Contacts - Boxed7.7 ΩAssembled 2X Hex Nut 5/16-24 2X Lock Washer 4102X Stud #10-32 2X Lock Washer 410-40°C to 60°CBRACKET 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 center24824-0127 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts32 Ω22 Ω 2X Lock Washer 4102X Stud #10-32 2X Lock Washer 410-40°C to 60°CBRACKET 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 center24824-01-BX27 V Max 225 A Heavy-Duty	24812	Duty Solenoid with Copper	7.7 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64" (49.5 mm)
24812-01-BX14 V Max 225 A Insulated Heavy- Duty Solenoid Relay with Silver Contacts - Boxed7.7 Ω2 x Hex Nut \$/16-24 2x Lock Washer 5/16 2x Hex Nut \$/16-242X Stud #10-32 2X Copper Stud 5/16-24-40°C to 60°CBRACKET 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 center24812-BX14 V Max 225 A Insulated Heavy- Duty Solenoid with Copper Contacts - Boxed7.7 ΩAssembled 2x Hex Nut \$/10-32 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer 5/162X Stud #10-32 2X Copper Stud 5/16-24-40°C to 60°CBRACKET 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 center24824-0127 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts32 ΩAssembled 2x Hex Nut \$/10-32 2x Lock Washer 5/16 2x Hex Nut \$/10-32 2x Lock Washer 5/16 2x Lock Wa	24812-01	Duty Solenoid Relay with Silver	7.7 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64" (49.5 mm)
24812-BX14 V Max 225 A Insulated Heavy- Duty Solenoid with Copper Contacts - Boxed7.7 Ω2 x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #102X Stud #10-32 2X Copper Stud 5/16-24-40°C to 60°CBRACKET 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 center24824-0127 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts32 Ω32 Ω2X Stud #10-32 2x Lock Washer #10 2x Hex Nut #10-32 2x Lock Washer #102X Stud #10-32 2X Stud #10-32 2X Copper Stud 5/16-24-40°C to 60°CBRACKET 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 center24824-01-BX27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts32 Ω32 Ω2X Stud #10-32 2X Lock Washer #10 2X Hex Nut 5/16-242X Stud #10-32 2X Stud #10-32 2X Copper Stud 5/16-24-40°C to 60°CBRACKET 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 center24824-01-BX27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts - Boxed32 Ω32 Ω2X Stud #10-32 2X Lock Washer #10 2X Lock Washer #10 2X Lock Washer #102X Stud #10-32 2X Lock Washer #10 S/16"-24-40°C to 60°CBRACKET 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 center2482448 V 225 A Insulated Heavy-Duty Solenoid Relay with Copper Contacts126 ΩAssembled 2X Hex Nut #10-32 2X Lock Washer 5/16 2X Hex Nut #10-32 2X Copper Stud S/16""-24-40°C to 60°CBRACKET STYLE "L" with 2 lon	24812-01-BX	Duty Solenoid Relay with Silver	7.7 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64" (49.5 mm)
24824-0127 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts32 Ω2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer #102X Stud #10-32 2X Copper Stud 5/16-24-40°C to 60°CBRACKET STYLE "L" with 2 long slots of 9/32" x 13/16"(7.1 x 20.6 mm) on 1 6/164" (49.5 mm) from center to center24824-01-BX27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts - Boxed32 Ω32 ΩAssembled 2x Hex Nut \$/16-24 2x Lock Washer 5/16 2x Hex Nut \$/16-242X Stud #10-32 2X Stud #10-32 2X Copper Stud 5/16"*-24-40°C to 60°CBRACKET STYLE "L" with 2 long slots of 9/32" x 13/16"(7.1 x 20.6 mm) on 1 6/164" (49.5 mm) from center to center24824-01-BX27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts - Boxed32 ΩAssembled 2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut 5/16-242X Stud #10-32 2X Copper Stud 5/16"*-24-40°C to 60°CBRACKET STYLE "L" with 2 long slots of 9/32" x 13/16"(7.1 x 20.6 mm) on 1 6/164" (49.5 mm) from center to center2484848 V 225 A Insulated Heavy-Duty Solenoid Relay with Copper Contacts126 Ω2X Hex Nut 5/16-24 2X Lock Washer 5/16 2X Hex Nut 5/16-242X Stud #10-32 2X Stud #10-32 2X Copper Stud 5/16"*-24-40°C to 60°CBRACKET STYLE "L" with 2 long slots of 9/32" x 13/16"(7.1 x 20.6 mm) on 1 6/164" (49.5 mm) from center to center	24812-BX	Duty Solenoid with Copper	7.7 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64"" (49.5 mm)
24824-01-BX27 V Max 225 A Heavy-Duty Solenoid Relay with Silver Contacts - Boxed32 Ω2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer 1002X Stud #10-32 2X Copper Stud 5/16**-24-40°C to 60°CBRACKET STYLE "L" with 2 long slots of 9/32" x 13/16"(7.1 x 20.6 mm) on 1 6/164" (49.5 mm) from center to center2484848 V 225 A Insulated Heavy-Duty Solenoid Relay with Copper Contacts126 ΩAssembled 2x Lock Washer 5/16 2x Hex Nut 5/16-242X Stud #10-32 2X Stud #10-32 2X Copper Stud 5/16"*-24-40°C to 60°CBRACKET STYLE "L" with 2 long slots of 9/32" x 13/16"(7.1 x 20.6 mm) on 1 6/164" (49.5 mm) from center to center	24824-01	Solenoid Relay with Silver	32 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64" (49.5 mm)
48 V 225 A Insulated Heavy-Duty Solenoid Relay with Copper Contacts2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-322X Stud #10-32 2X Copper Stud 5/16"-24BRACKET 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	Solenoid Relay with Silver	32 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16 2x Hex Nut #10-32	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64" (49.5 mm)
	24848	Solenoid Relay with Copper	126 Ω	2x Hex Nut 5/16-24 2x Lock Washer 5/16	2X Copper Stud	-40°C to 60°C	x 13/16"(7.1 x 20.6 mm) on 1 61/64" (49.5 mm)

