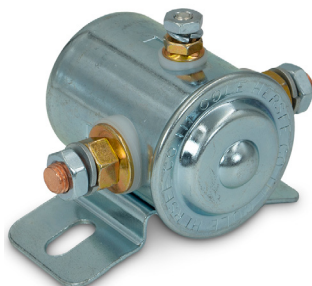


Intermittent-Duty SPST Series

12V and 36V Max Normally Open Solenoid Relays



24008



24044



24076

Specifications

Max Voltage Rating:	12V DC, 36V DC
Coil Voltage:	6V DC, 12V DC, 24V DC
Coil Impedance:	3.8 Ω
Normal Position:	Normally Open
Power Terminals:	STUD 5/16"-24
Coil Terminals:	STUD #10-32
Ingress Protection:	IP66 (PN 24141 Only)

Applications

- Heavy-Duty Trucks
- Emergency Vehicles
- Construction
- Marine
- Buses

Features and Benefits

- Intermittent-duty solenoid relays with single-pole, single-throw (SPST) circuitry and normally open contacts available in a wide variety of configurations to meet various commercial vehicle applications
- Different housings are available, including plated steel, plated steel with a PVC exterior coating, and molded phenolic with plated steel parts
- Configuration may be rated for 120A make, 65A break for 10 seconds on, 30 minutes off; 500A make, 100A break; or 750A make, 100A break for 10 seconds on, 20 minutes off
- Models are available with a 6V DC, 12V DC, or 24V DC coil rating
- May have an insulated or grounded coil, depending on the model
- Available in three-stud and four-stud solenoid styles
- Some models have a flat bracket style, while others feature a curved bracket style

Description

Our Intermittent-Duty SPST Series 12 V and 36 V Max Solenoid Relays are available in a wide variety of configurations to meet various remote-switching and starting applications in heavy-duty trucks, buses, marine vehicles, and more.

Depending on the model, these Cole Hersee brand solenoids may have a plated steel housing, plated steel housing with a PVC coating, or phenolic housing with plated steel parts.

In addition, you will find solenoids in this series that are rated for 120A make, 65A break for 10 seconds on, 30 minutes off; 500 A make, 100A break; or 750A make, 100 A break for 10 seconds on, 20 minutes off.

Models within this intermittent-duty solenoid series may have grounded or insulated coils rated for 6V DC, 12V DC, or 24V DC.

Web Resources

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

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12V and 36V Max Normally Open Solenoid Relays

Ordering Information

PART NUMBER	DESCRIPTION	CURRENT RATING CONTINUOUS	COIL IMPEDANCE	COIL TYPE	HOUSING	MOUNTING METHOD	HARDWARE
24008	36 V 120 A Insulated Four-Stud Solenoid with Plated Steel Housing	120 AMPS MAKE, 65 AMPS BREAK	29 OHMS	INSULATED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24008-03	36 V 120 A Insulated Four-Stud Solenoid with Plated Steel Housing - Unassembled	120 AMPS MAKE, 65 AMPS BREAK	29 OHMS	INSULATED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24008-BX	36 V 120 A Insulated Four-Stud Solenoid with Plated Steel Housing - Boxed	120 AMPS MAKE, 65 AMPS BREAK	29 OHMS	INSULATED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24021	12 V 500 A Grounded Four-Stud Solenoid with Phenolic Housing with Ignition Coil Resistor Shorting Circuit	500 AMPS MAKE, 100 AMPS BREAK	3.8 OHMS	GROUNDED	Molded Phenolic	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24021-BX	12 V 500 A Grounded Four-Stud Solenoid with Phenolic Housing with Ignition Coil Resistor Shorting Circuit - Boxed	500 AMPS MAKE, 100 AMPS BREAK	3.8 OHMS	GROUNDED	Molded Phenolic	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24022	12 V 500 A Grounded Three-Stud Solenoid with Phenolic Housing	500 AMPS MAKE, 100 AMPS BREAK	3.8 OHMS	GROUNDED	Molded Phenolic	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24022-BX	12 V 500 A Grounded Three-Stud Solenoid with Phenolic Housing - Boxed	500 AMPS MAKE, 100 AMPS BREAK	3.8 OHMS	GROUNDED	Molded Phenolic	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24023	12 V Insulated Four-Stud Solenoid with Phenolic Housing	750 AMPS MAKE, 100 AMPS BREAK	3.8 OHMS	INSULATED	Molded Phenolic	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24037	12 V 750 A Grounded Three-Stud Solenoid with Plated Steel Housing	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	GROUNDED	Plated Steel Case	Flanged Flat	BAGGED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24037-BX	12 V 750 A Grounded Three-Stud Solenoid with Plated Steel Housing - Boxed	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	GROUNDED	Plated Steel Case	Flanged Flat	BAGGED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24041	12 V 750 A Grounded Three-Stud Solenoid with 6 V Coil	750 AMPS MAKE, 100 AMPS BREAK	1.6 OHMS	GROUNDED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24041-BX	12 V 750 A Grounded Three-Stud Solenoid with 6 V Coil - Boxed	750 AMPS MAKE, 100 AMPS BREAK	1.6 OHMS	GROUNDED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24044	12 V 750 A Grounded Three-Stud Solenoid with Curved Bracket	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	GROUNDED	Plated Steel Case	Flanged Curved	BAGGED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24044-BX	12 V 750 A Grounded Three-Stud Solenoid with Curved Bracket - Boxed	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	GROUNDED	Plated Steel Case	Flanged Curved	BAGGED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24047	12 V 750 A Insulated Four-Stud Solenoid with Plated Steel Housing	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	INSULATED	Plated Steel Case	Flanged Flat	BAGGED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24047-BX	12 V 750 A Insulated Four-Stud Solenoid with Plated Steel Housing - Boxed	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	INSULATED	Plated Steel Case	Flanged Flat	BAGGED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16

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PART NUMBER	DESCRIPTION	CURRENT RATING CONTINUOUS	COIL IMPEDANCE	COIL TYPE	HOUSING	MOUNTING METHOD	HARDWARE
24076	12 V 750 A Insulated Four-Stud Solenoid with PVC-Coated Steel Housing	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	INSULATED	Coated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24076-BX	12 V 750 A Insulated Four-Stud Solenoid with PVC-Coated Steel Housing - Boxed	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	INSULATED	Coated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24103	12 V 750 A Insulated Four-Stud Solenoid with Ignition Coil Resistor Shorting Circuit	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	INSULATED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24103-BX	12 V 750 A Insulated Four-Stud Solenoid with Ignition Coil Resistor Shorting Circuit - Boxed	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	INSULATED	Plated Steel Case	Flanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24141	36 V 120 A Insulated Four-Stud Solenoid with Potted Coil	120 AMPS MAKE, 65 AMPS BREAK	29 OHMS	INSULATED	Plated Steel Case	Bracket Style Flat with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16