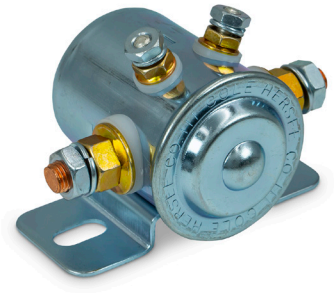
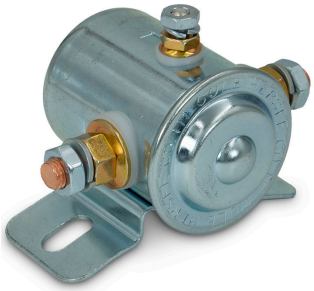
INTERMITTENT-DUTY SPST SERIES

12 V and 36 V Max Normally Open Solenoid Relays



24008



24044

Specifications

Max Voltage Rating:	12 VDC, 36 VDC
Coil Voltage:	6 VDC, 12 VDC, 24 VDC
Coil Impedance:	3.8 Ω
Normal Position:	Normally Open
Power Terminals:	STUD 5/16"-24
Coil Terminals:	STUD #10-32

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 120 A make, 65 A break for 10 seconds on, 30 minutes off; 500 A make, 100 A break; or 750 A 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 6 V dc, 12 V dc, or 24 V dc.

Web Resources

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

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 120 A make, 65 A break for 10 seconds on, 30 minutes off; 500 A make, 100 A break; or 750 A make, 100 A break for 10 seconds on, 20 minutes off
- Models are available with a 6 V dc, 12 V dc, or 24 V 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

© 2022 Littelfuse, Inc.

INTERMITTENT-DUTY SPST SERIES
12 V and 36 V 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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		3.8 OHMS	INSULATED	Molded Phenolic	Falanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16
24023-BX	12 V Insulated Four-Stud Solenoid with Phenolic Housing - Boxed		3.8 OHMS	INSULATED	Molded Phenolic	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged Flat	BAGGED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16

© 2022 Littelfuse, Inc.

INTERMITTENT-DUTY SPST SERIES
12 V and 36 V Max Normally Open Solenoid Relays

Ordering Information

PART NUMBER	DESCRIPTION	CURRENT RATING CONTINUOUS	COIL IMPEDANCE	COIL TYPE	HOUSING	MOUNTING METHOD	HARDWARE
24071	12 V 750 A Grounded Three-Stud Solenoid with PVC-Coated Steel Housing	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	GROUNDED	Coated Steel Case	Falanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
24071-BX	12 V 750 A Grounded Three-Stud Solenoid with PVC-Coated Steel Housing - Boxed	750 AMPS MAKE, 100 AMPS BREAK	4.4 OHMS	GROUNDED	Coated Steel Case	Falanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 1 HEX NUT, #10-32 2 LOCKWASHER 12 1 LOCKWASHER 5/16
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	Falanged 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	Falanged 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	Falanged 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	Falanged 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	Falanged Flat	ASSEMBLED, 2 HEX NUT, 5/16-24 2 HEX NUT, #10-32 2 LOCKWASHER 12 2 LOCKWASHER 5/16

© 2022 Littelfuse, Inc.