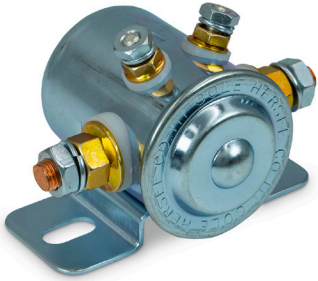
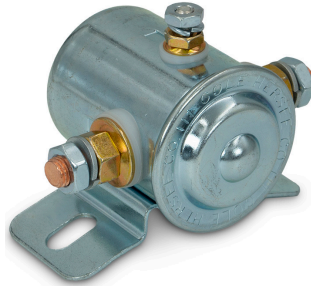


INTERMITTENT-DUTY SPST SERIES

12 V and 36 V Max Normally Open Solenoid Relays



24008



24044

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

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 |

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

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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 |

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|-------------|--|-------------------------------|----------------|-----------|-------------------|-----------------|---|
| 24071 | 12 V 750 A Grounded Three-Stud Solenoid with PVC-Coated Steel Housing | 750 AMPS MAKE, 100 AMPS BREAK | 4.4 OHMS | GROUNDING | 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 | GROUNDING | 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 |