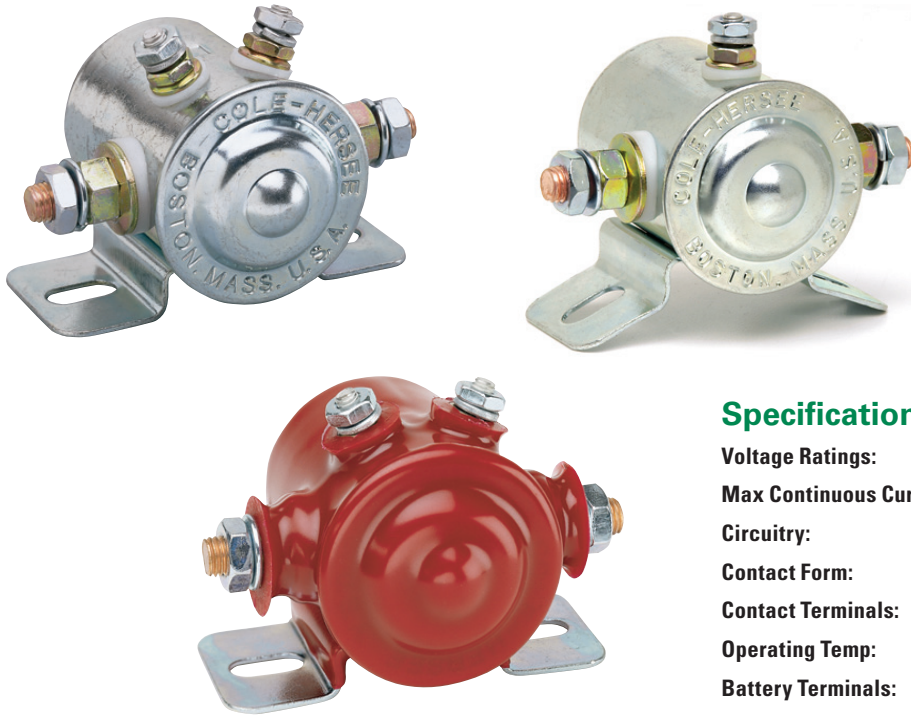


CONTINUOUS DUTY SOLENOIDS

6-32V DC • 65-200A • Uncoated or PVC-Coated



Specifications Overview

| | |
|--------------------------------|---------------------------------|
| Voltage Ratings: | 6, 12, 24, or 36V DC |
| Max Continuous Current: | 65, 85, or 200A |
| Circuitry: | Single Pole Single Throw (SPST) |
| Contact Form: | Normally Open |
| Contact Terminals: | Copper or Silver |
| Operating Temp: | -40° to +85°C |
| Battery Terminals: | 5/16 - 24 (35 in-lbs / 4.0 Nm) |
| Coil Studs: | 10-32 (15 in-lbs / 1.7 Nm) |

Description

Minimizes arcing and contact oxidation, maintains high performance. Universal use with part numbers available to handle loads up to 200A.

PVC Coated option available for a more environmentally-sealed product. Coated solenoids withstand moisture and dust to IP66.

Where vehicle vibration is a problem, we recommend the 24213-01 in which the internal windings are potted for added protection of coil leads and studs.

Web Resources

Download 2D prints and technical resources at:
littelfuse.com/solenoids

Electrical Schematic



Diagram 1



Diagram 2



Diagram 3



Diagram 4

Mechanical Specifications

- SPST Normally open contacts.
- Plated steel housing. Hexnuts and washers included.
- Large (power circuit) battery studs; copper 5/16" -24 thread.
- Small (control circuit) coil studs; steel 10-32 thread.
- Bracket mounting holes 5/16 X 19/32" (7.9 X 15.1mm) on 2 13/64" centers (56.0mm).
- Available with PVC coated exterior or Potted Coil interiors for harsh environments or vibration resistance.
- Caution: Never unscrew the inner hexnuts on the studs. These keep the stud and inner wiring in place.

Ordering Information

See chart on page 2

Datasheet Replaces Hotfeed Number D-500

CONTINUOUS DUTY SOLENOIDS



A



B



C



D

Ordering Information

| PART NUMBERS | | | VOLTAGE | AMPS | INSULATED / GROUNDED | CIRCUITRY | FORM / CONTACTS | CONTACT MATERIAL | PVC COATED | UL LISTED | POTTED COIL | IMAGE | DIAGRAM | NOTES |
|--------------|-------------|-------------|---------|-----------|----------------------|-----------|-----------------|------------------|------------|-----------|-------------|-------------------|---|--|
| BULK | BOXED | RETAIL | | | | | | | | | | | | |
| 24080 | 24080-BX | - | 36 | 85 | Insulated | SPST | NO | Copper | | | | A | 1 | |
| 24080-01 | - | - | | 65 | Insulated | SPST | NO | Copper | | • | | A | 1 | Intermittent rating: 125A Make, 65A Break 10 sec on, 30 min off - UL Requirement |
| 24200 | 24200-BX | - | | 110 | Insulated | SPST | NO | Copper | | | | A | Refer to 2D Print | Momentary switch, latching solenoid |
| 24008 | 24008-BX | - | 24 | 120 | Insulated | SPST | NO | Copper | | | | A | | Special spring for stronger contact return force |
| 24008-03 | - | - | | 120 | Insulated | SPST | NO | Copper | | | | A | | Components shipped unassembled |
| 24063 | 24063-BX | - | | 85 | Insulated | SPST | NO | Silver | | | | A | 1 | |
| 24063-08 | 24063-08-BX | - | | 85 | Insulated | SPST | NO | Copper | • | • | | B | 1 | |
| 24214 | 24214-BX | - | | 200 | Insulated | SPST | NO | Silver | | | | A | 1 | |
| 24107 | 24107-BX | - | | 85 | Insulated | SPST | NO | Copper | | | | C | 2 | |
| 24124 | 24124-BX | - | | 85 | Grounded | SPST | NO | Copper | | | | C | 4 | |
| 24524-10D | - | - | | 100 | Insulated | SPST | NO | Copper | | | | Refer to 2D Print | Refer to 2D Print | |
| 24037 | 24037-BX | - | | 750 | Grounded | SPST | NO | Copper | | | | C | 4 | |
| 24044 | 24044-BX | - | | 750 | Grounded | SPST | NO | Copper | | | | D | 4 | |
| 24047 | 24047-BX | - | 750 | Insulated | SPST | NO | Copper | | | | A | 1 | | |
| 24059 | 24059-BX | 24059-BP | 85 | Insulated | SPST | NO | Copper | | | | A | 1 | | |
| 24059-08 | 24059-08-BX | 24059-08-BP | 65 | Insulated | SPST | NO | Copper | | • | | A | 1 | Intermittent rating: 750A Make, 100A Break 10 sec on, 30 min off - UL Requirement | |
| 24106-07 | - | - | 12 | 85 | Grounded | SPST | NO | Copper | | | | C | 4 | P/N, Date Code, Voltage ink stamped on surface |
| 24115 | 24115-BX | - | | 85 | Insulated | SPST | NO | Copper | | | | C | 3 | |
| 24117 | 24117-BX | - | | | Insulated | SPST | NO | Copper | • | | | B | 1 | |
| 24117-01 | 24117-01-BX | 24117-01-BP | | | Insulated | SPST | NO | Copper | • | | | B | 1 | |
| 24213 | 24213-BX | - | | 200 | Insulated | SPST | NO | Silver | | | | A | 1 | |
| 24213-01 | - | - | | 200 | Insulated | SPST | NO | Silver | | | • | B | 1 | IP66 |
| 24213-03 | - | - | | 200 | Insulated | SPST | NO | Silver | • | | | B | 1 | Black PVC Coating • IP66 |
| 24106 | 24106-BX | - | | 85 | Grounded | SPST | NO | Copper | | | | C | 4 | |
| 24082 | 24082-BX | - | | 85 | Grounded | SPST | NO | Copper | | | | D | 4 | Curved Bracket |
| 24097 | 24097-BX | - | | 6 | 85 | Grounded | SPST | NO | Copper | | | A | 1 | |



Visit Littelfuse.com for the most up-to-date product information. Littelfuse products are designed for specific applications and should not be used for any purpose (including, without limitation, automotive applications) not expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse product documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse product documentation.