

# CONTINUOUS DUTY SOLENOIDS

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



## Specifications Overview

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



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