



## SAS Series 100/200 Amp

AMETEK Switch SAS Solenoid Switch is known for reliability and performance. They are designed to switch DC inductive loads for a wide variety of applications.

A solenoid is an electromechanical device used to switch high current loads with a remote low current control signal. When power is applied to the coil assembly, the energized coil causes the contact assembly to move. In a normally open (NO) configuration, this will cause the contacts to close while the power is applied to the coil and then open again when the coil is no longer energized.

AMETEK Switch Type SAS Solenoid Switch is available with 100 amp or 200 amp current rating for use in intermittent (2 minute max on time), intermittent heavy duty (10 minute max on time) or continuous duty applications. The contact configuration is Single Pole Single Throw, Normally Open (SPST NO). Various mounting configurations and wiring options are available. The electrical life rating for the SAS solenoid switch is 50,000 cycles. The two-piece heavy duty metal case is zinc-plated for maximum corrosion protection and is especially resistant to damage from road debris, making it suitable for a variety of harsh condition applications.

UL Approved versions are available.



### COMMON APPLICATIONS:

- 1 Engine Starting Motors
- 2 Diesel Grid Heaters
- 3 Hydraulic Pump Motors
- 4 Electric Winches
- 5 Traction Motors
- 6 Auxiliary Power Circuits

### GENERAL SPECIFICATIONS:

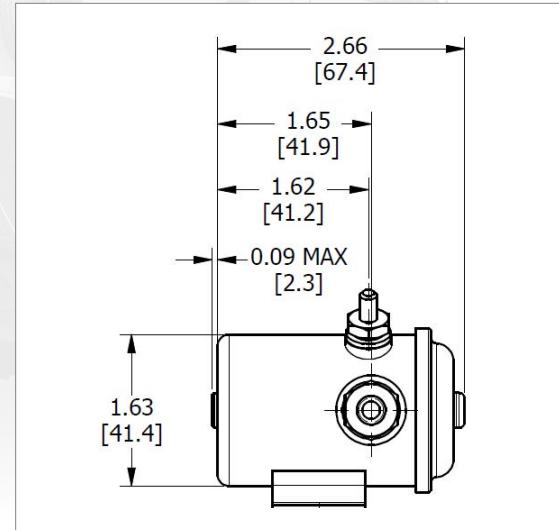
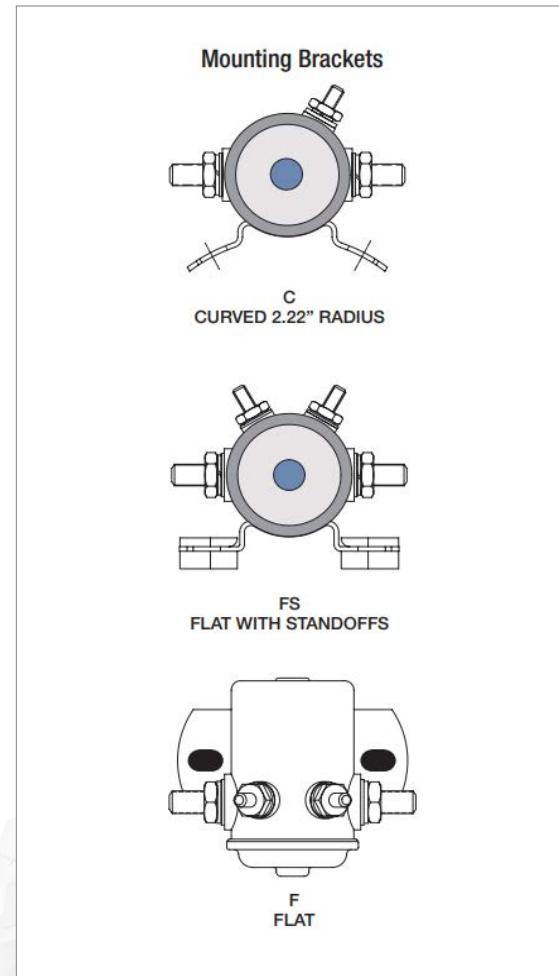
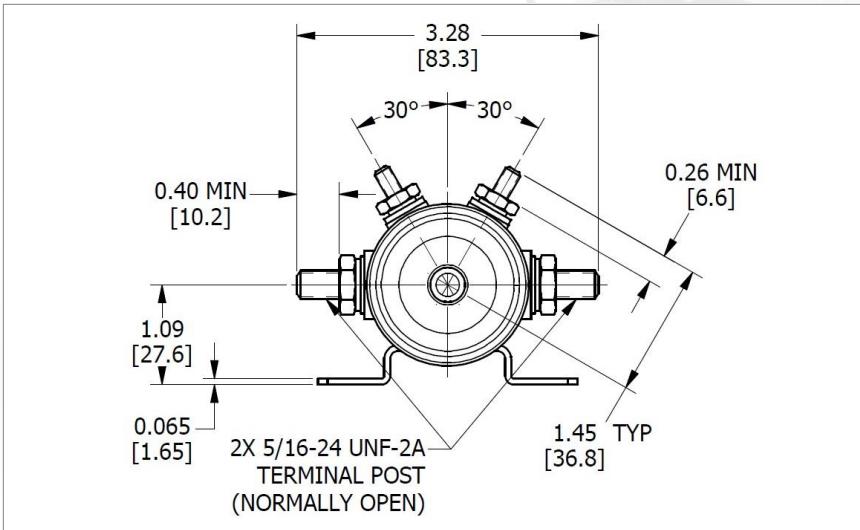
- 1 Zinc-Plated Steel Case
- 2 Continuous and Intermittent Duty Coils
- 3 6 to 72 VDC Coil Voltages
- 4 Up to 200 amp Continuous Load
- 5 Copper or Silver Alloy Contacts
- 6 Moving Contact Disk
- 7 Inductive Load
- 8 SPST-NO Contacts
- 9 Electrical Life of >50,000 Cycles
- 10 UL Rated

CONTACTS		
Maximum Continuous Current	100 A	200 A
Contact Material	Copper	Silver Alloy
Inrush Current Maximum	600 A	900 A
Maximum Breaking Current	150 A	250 A
Load Terminals:	(2) 5/16 - 24	
Load Terminal Maximum Torque:	65 in-lbs (7.3 nm)	

COIL SPECIFICATIONS		
Nominal Voltage	6, 12, 24, 36, 48, 72 VDC Custom Voltages Available	
Coil Wiring	Grounded or Isolated	
Duty Cycle	Intermittent - 25% Maximum On Time 2 Minutes Max	
	Heavy Duty Intermittent - 50% Maximum On Time 10 Minutes Max	
	Continuous Duty - 100% On Time	
Coil Terminals:	(1) 10-32 or (2) 10-32	
Coil Terminal Maximum Torque	50 in-lbs (5.6 nm)	
Operating Temperature Range	-40°C to +50°C	

OPTIONAL FEATURES		
H	Special HV Design	
R	Splash Resistant	
U	UL-Recognized	

TERMINAL HARDWARE		
To receive terminal hardware, add one of following suffixes to part number:		
-1	Hardware on terminals	
-2	Hardware bulk-packed	



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**SWITCH**

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