

SD Series Battery Disconnect Switches

Features

- Safely rupture full load currents in the event of an emergency
- Can be used in high-side or low-side applications
- Large DC rating up to 500A
- SAE J1455 compliant for harsh environment
- Optional lock-out/tag-out (LOTO) satisfying OSHA requirements
- Black or gray thermoplastic housing with a UL 94 V-0 rating
- IPX8 rated

Specifications

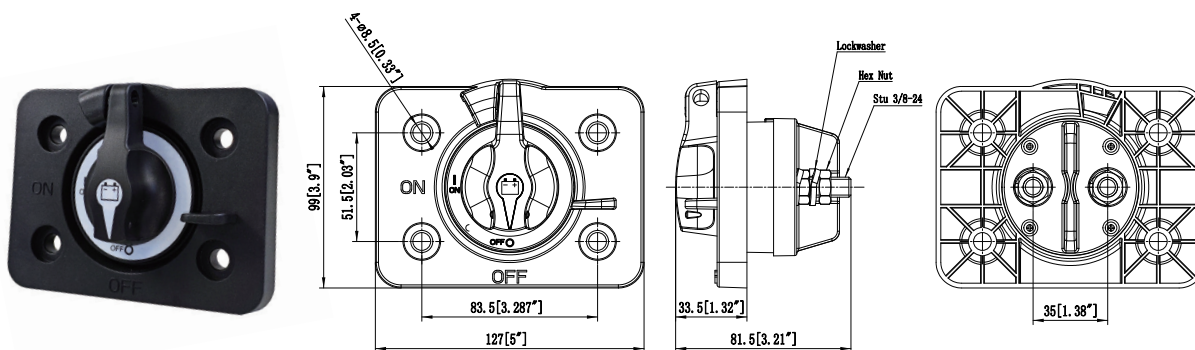
Continuous Rating	300A or 400A @ 12VDC
	300A @ 24VDC
	200A @ 36VDC
	150A @ 48VDC
	115A @ 64VDC
	100A @ 72VDC
Intermittent Rating	3000A x 15 sec.
Ignition Protection	UL 94V-0
Operating Temp.	-40 °C to 85 °C [-40 °F to 185 °F]
Circuitry	SPST
Protection Level	IPX8

Selection Guide:

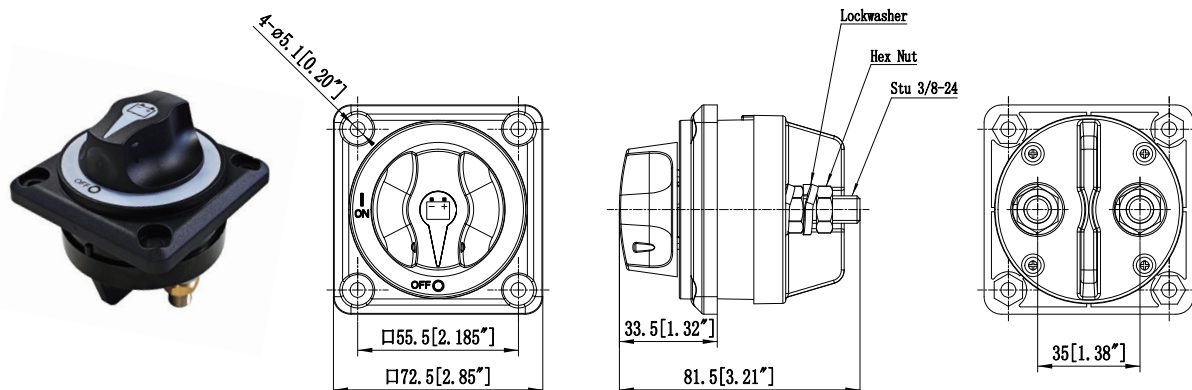
SD	300	-	B	N	M
	Current Rating		Color/Material	Actuator	Body Style
	300: 300A		B : Black	N : Knob	
			R: Red		
			Z: Zinc-Plated		

Pictures and Dimensions:

SD300-BNR

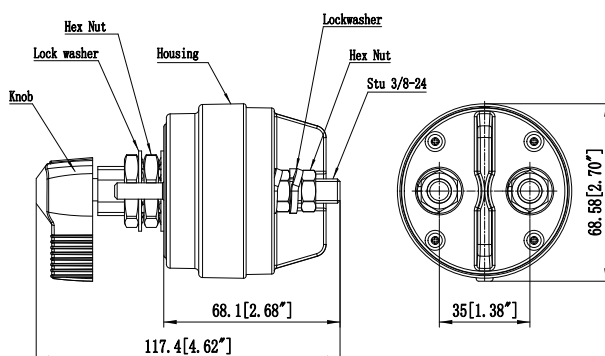
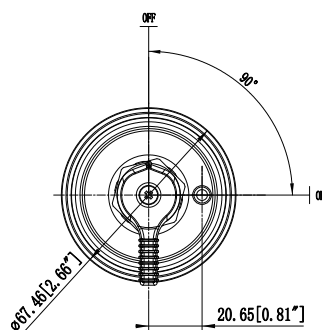


SD300-BNS

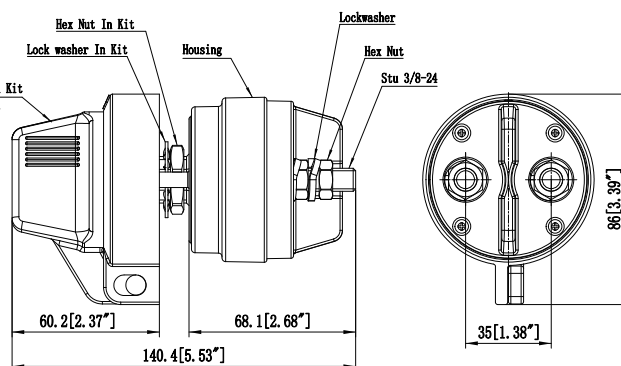
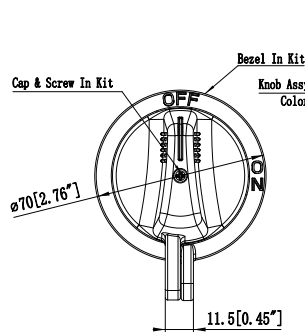


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SD300-ZNM



SD300-RNM



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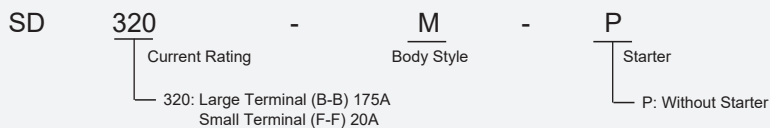
Features

- Safely rupture full load currents in the event of an emergency
- Can be used in high-side or low-side applications
- Large DC rating up to 500A
- SAE J1455 compliant for harsh environment
- Optional lock-out/tag-out (LOTO) satisfying OSHA requirements
- Black or gray thermoplastic housing with a UL 94 V-0 rating
- IPX8 rated

Specifications

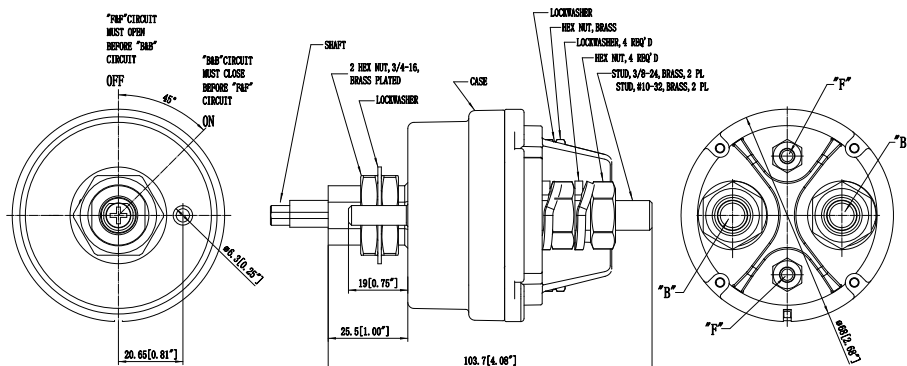
Rated Voltage	6/12/24/36V DC
Short-time Current	Large Terminal 36VDC 1000A (On 12s, Off 5min)
Ignition Protection	UL 94V-0
Operating Temp.	-40 °C to 85 °C [-40 °F to 185 °F]
Circuitry	DPST
Protection Level	IP68

Selection Guide:

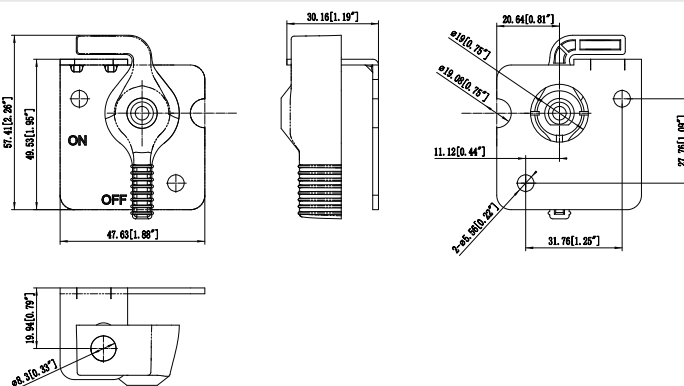


Pictures and Dimensions:

SD320-M-P



SD-LK



SD500 Series Battery Disconnect Switches

Features

- Safely rupture full load currents in the event of an emergency
- Can be used in high-side or low-side applications
- Large DC rating up to 500A
- SAE J1455 compliant for harsh environment
- Optional lock-out/tag-out (LOTO) satisfying OSHA requirements
- Black or gray thermoplastic housing with a UL 94 V-0 rating
- IPX8 rated

Specifications

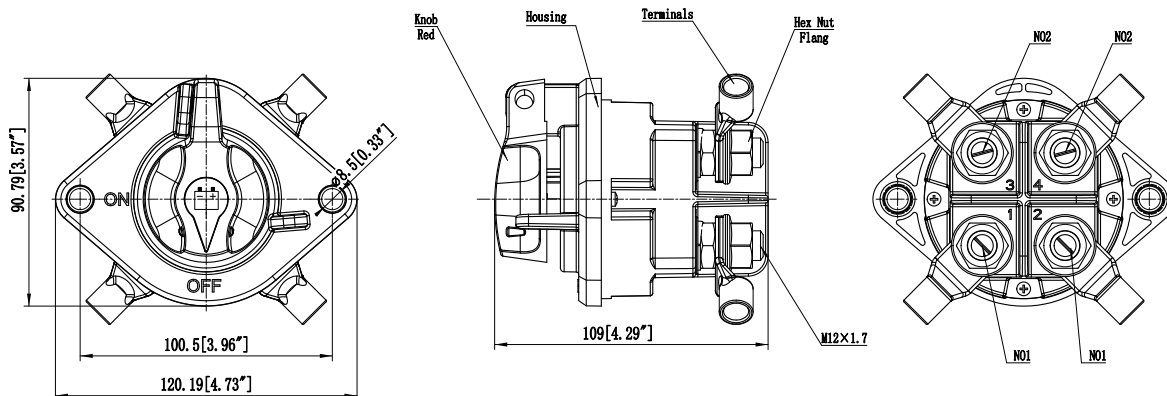
Rated Voltage	@12-24V DC/@32V DC
Intermittent Rating	2250A x 30 sec.
Ignition Protection	UL 94V-0
Operating Temp.	-40 °C to 85 °C [-40 °F to 185 °F]
Circuitry	DPST
Protection Level	IP67

Selection Guide:

SD	500	-	B	-	N	D
	Current Rating		Colour		Starter	Body Style
	500: 500A		B: Black R: Red		N: Knob	

Pictures and Dimensions:

SD500-RND



SDL Series Battery Isolator

Features

- Safely disconnects full-load current in emergency situations.
- Suitable for high-side or low-side applications.
- DC rated current up to 500A.
- Complies with the stringent environmental requirements of SAE J1455.
- Optional lockout/tagout (LOTO) feature meets OSHA requirements.
- Black or gray thermoplastic housing, UL 94V-0 rating.

Specifications

Continuous Rating	250A @ 12VDC/24VDC
Intermittent Rating	1600A x 30 sec.
Ignition Protection	UL 94V-0
Operating Temp	-40°C to 85°C (-40°F to 185°F)
Protection Level	IP67
Mounting	M6/M7 bolt and nut
Body Color	Black
Actuator Color	Red
Body Material	Plastic
Actuator Material	Plastic

Selection Guide:

SDL250

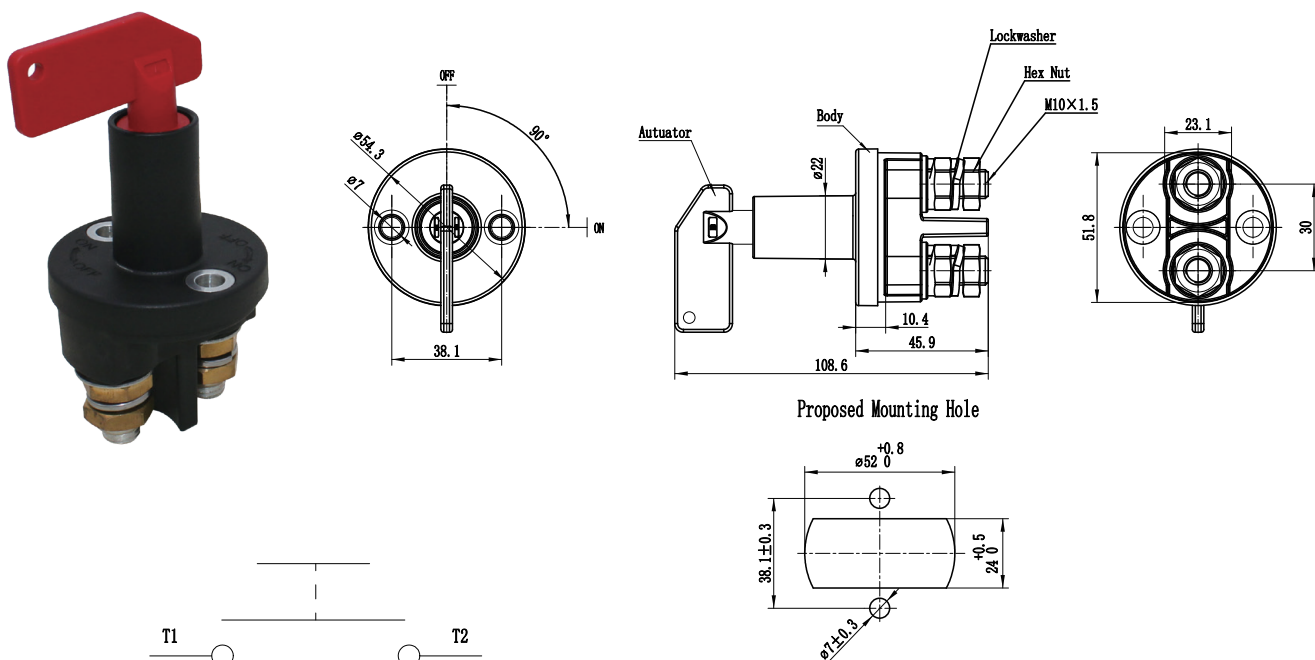
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N

Blank : Removal Key

N: Non-Removal Key

Dimensions:



"ON/OFF" Single-pole single-throw switch circuit diagram