

			
461 BOSTON STREET - UNIT E6, TOPSFIELD, MA 01983 USA			
DO NOT SCALE DRAWING			
TITLE: BATTERY DISCONNECT			
MATERIAL: -		FINISH: -	
BLANK WEIGHT: -		PART WEIGHT: 1.2 LBS	
SIZE A	DWG. NO. 601D-500[]	REV.	
SCALE: 1:2		SHEET 1 OF 2	
FILENAME: 601D-500 WEBSITE		WWW.SPECTRUMIND.COM	

ENVIRONMENTAL:

STORAGE TEMPERATURE: -40 °C TO +105 °C.
TEMPERATURE RANGE: -40 °C TO +85 °C.
SHOCK: > 6g, 11 msec.
VIBRATION: > 4g (50-2,000 Hz).
INGRESS PROTECTION (DUST & WATER): IP67.

MECHANICAL:

MATERIALS (UL94 V-0): POLYAMIDE, PPS, GLASS FILLED.
DIMENSIONS (LxWxH): 4.73 x 3.34 x 4.29 IN.
WEIGHT: 1.2 LBS.
POSITIONS: 2 (OFF - ON).
NUMBER OF POLES: 2.
MAIN TERMINAL TORQUE: 16 LB-FT.
TERMINAL MATERIAL: COPPER.
CROSS SECTION: 0.172 in^2.

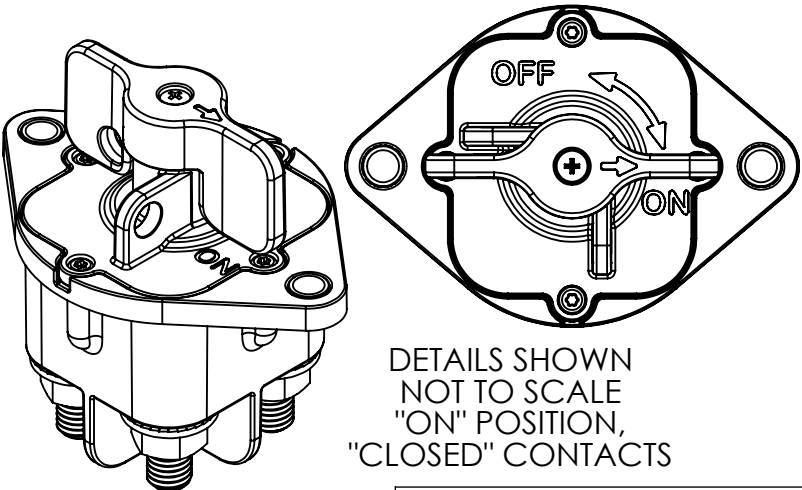
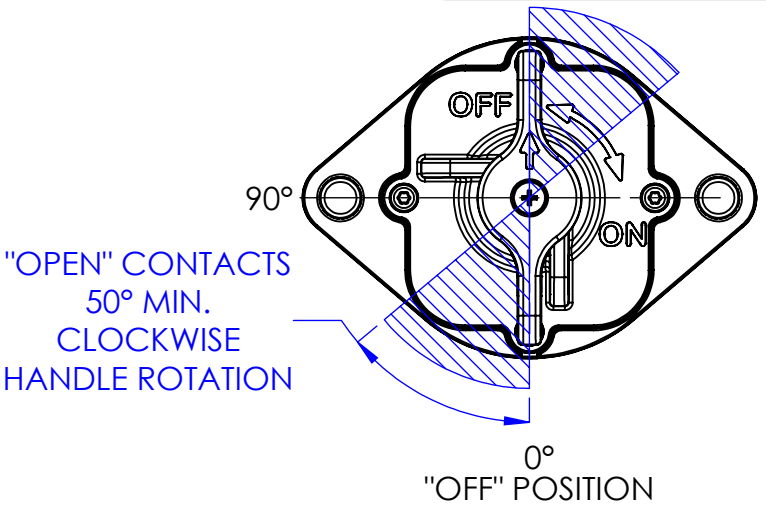
MECHANICAL OPERATION:

MECHANICAL CYCLES (ON~OFF): > 6,000.
LOCKABLE "OFF" POSITION.
INADVERTENT OPERATION FEATURE - NO "PUSH TO ON".
SPRING MAKE, POSITIVE BREAK CONTACTS.
THROW: 90 DEGREES (DETENTED).
HANDLE ROTATION (OPEN CONTACTS, FIG.1): 0° TO 50° CW.

ELECTRICAL:

VOLTAGE RANGE: 5 - 100 VDC.
NOMINAL VOLTAGE: 88 VDC.
CONTINUOUS CURRENT: 500 AMPS PER CIRCUIT.
CRANK RATING: 2,250 AMPS PER CIRCUIT (30 sec. MAX.).
INRUSH RATING: 3,000 AMPS PER CIRCUIT (1 sec.).
MINIMUM INSULATION RESISTANCE: 100 MOHMS.
DIELECTRIC WITHSTAND: 1,200 VAC.
MAX RATING CONTACT BREAK: ~ 50.

DRAWING NUMBER		REV.
A	601D-500[]	
SHEET 2 OF 2		



DPST 500AMPS

	NAME	DATE
DRAWN	JRT	8-26-24
CHECKED		
ENG APPR.	RMF	9-30-24
MFG APPR.		
Q.A.		



INDUSTRIES INC.
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