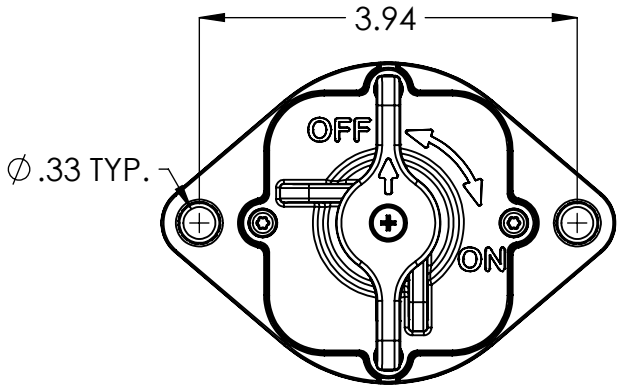
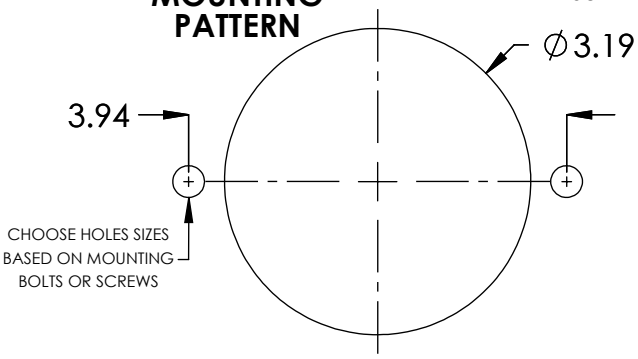
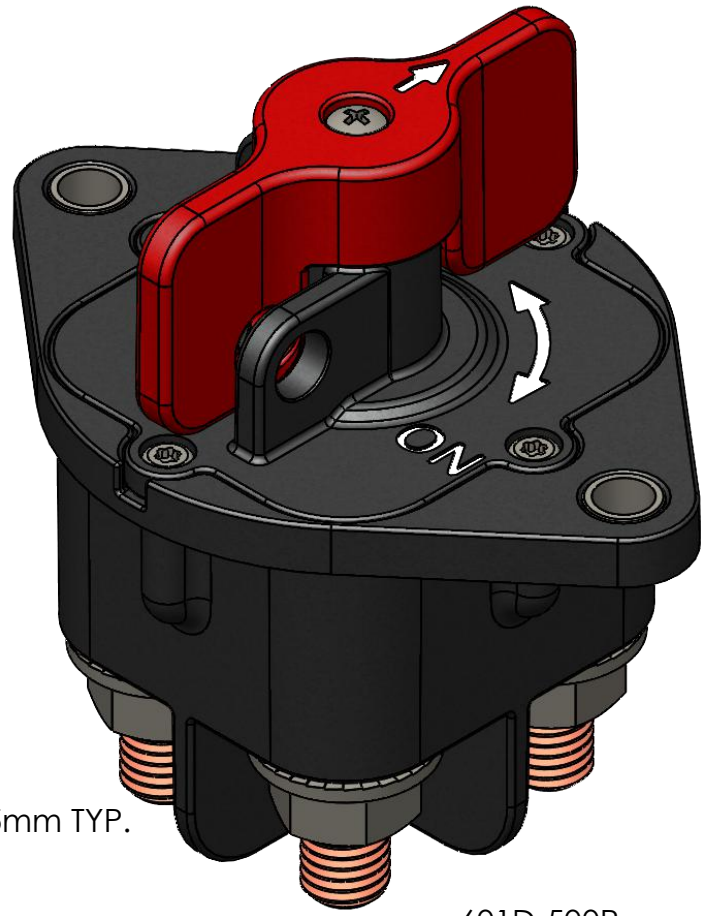
DRAWING NUMBER	REV.
A 601D-500[ ] SHEET 1 OF 2	



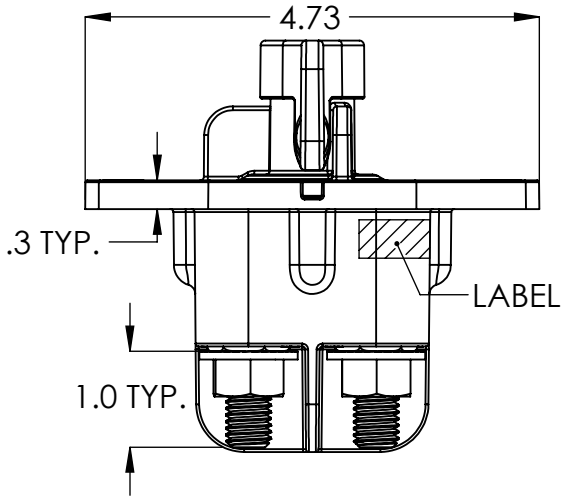
MOUNTING PATTERN

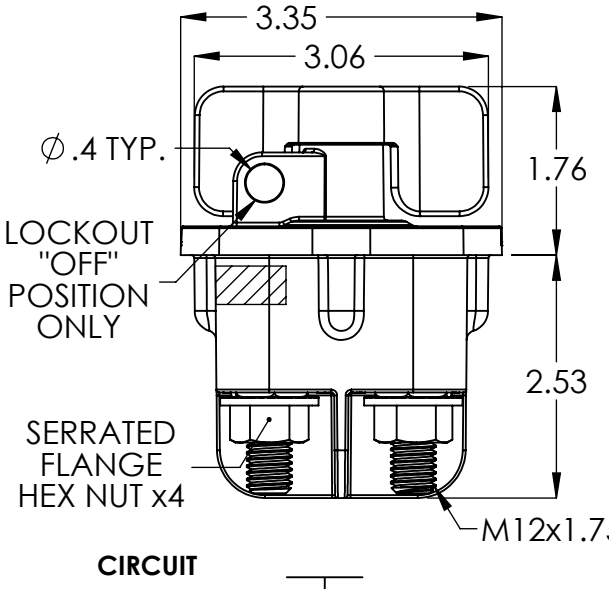


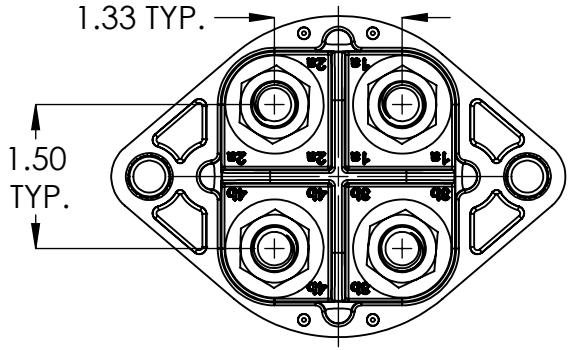
601D-500 [KNOB COLOR DESIGNATION]:
R : RED
Y : YELLOW



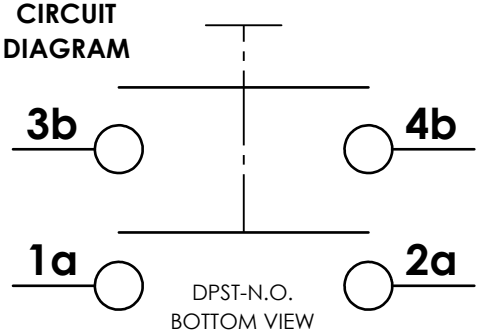
601D-500R
DETAIL SHOWN
ACTUAL SIZE
"OFF" POSITION







CIRCUIT DIAGRAM



DPST 500AMPS

	NAME	DATE
DRAWN	JRT	10-28-25
CHECKED		
ENG APPR.	RMF	10-28-25
MFG APPR.		
Q.A.		

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/32
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005

SHALLCO
308 COMPONENTS DRIVE, SMITHFIELD, NC 27577 USA

DO NOT SCALE DRAWING

TITLE: **BATTERY DISCONNECT**

MATERIAL:	FINISH:
-	-
BLANK WEIGHT:	PART WEIGHT:
-	1.2 LBS

SIZE	DWG. NO.	REV.
A	601D-500[ ] SHEET 1 OF 2	

SCALE:1:2 | FILENAME: 601D-500 WEBSITE | WWW.SHALLCO.COM

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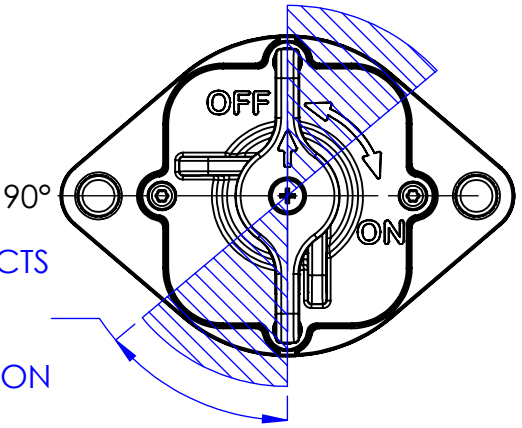
DRAWING NUMBER		REV.
A	601D-500[ ] SHEET 2 OF 2	

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.

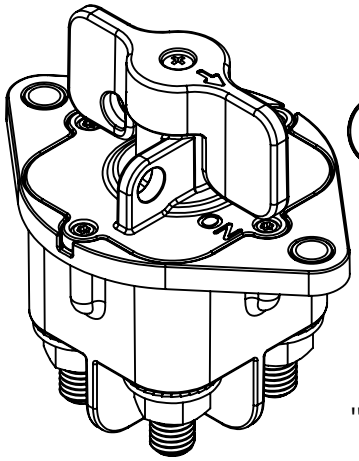
MECHANICAL OPERATION:
MECHANICAL CYCLES (ON~OFF): > 6,000.
LOCKABLE "OFF" POSITION.
INADVERTENT OPERATION FEATURE - NO "PUSH TO ON".
SPRING MAKE, POSITIVE BREAK CONTACTS.
THROW: 90 DEGREES (DETENTED).
HANDLE ROTATION (OPEN CONTACTS, FIG.1): 0˚ TO 50˚ CW.

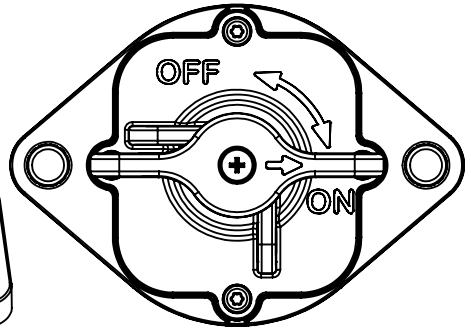
ELECTRICAL:
VOLTAGE RANGE: 5 - 100 VDC.
NOMINAL VOLTAGE: 88 VDC.
CONTINUOUS CURRENT: 500 AMPS PER CIRCUIT.
CRANK RATING: 2,250 AMPS PER CIRCUIT (30 sec. MAX.).
INRUSH RATING: 3,000 AMPS PER CIRCUIT (1 sec.).
MINIMUM INSULATION RESISTANCE: 100 MOHMS.
DIELECTRIC WITHSTAND: 1,200 VAC.
MAX RATING CONTACT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



"OPEN" CONTACTS
50° MIN.
CLOCKWISE
HANDLE ROTATION

0°
"OFF" POSITION





DETAILS SHOWN
NOT TO SCALE
"ON" POSITION,
"CLOSED" CONTACTS

DPST 500AMPS

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

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DO NOT SCALE DRAWING

TITLE:
BATTERY DISCONNECT

SIZE	DWG. NO.	REV.
A	601D-500[ ] SHEET 2 OF 2	

SCALE:1:2 | FILENAME: 601D-500 WEBSITE | WWW.SHALLCO.COM