SHALLCO

Battery Switches and Disconnects

“500” Series



Transportation Products

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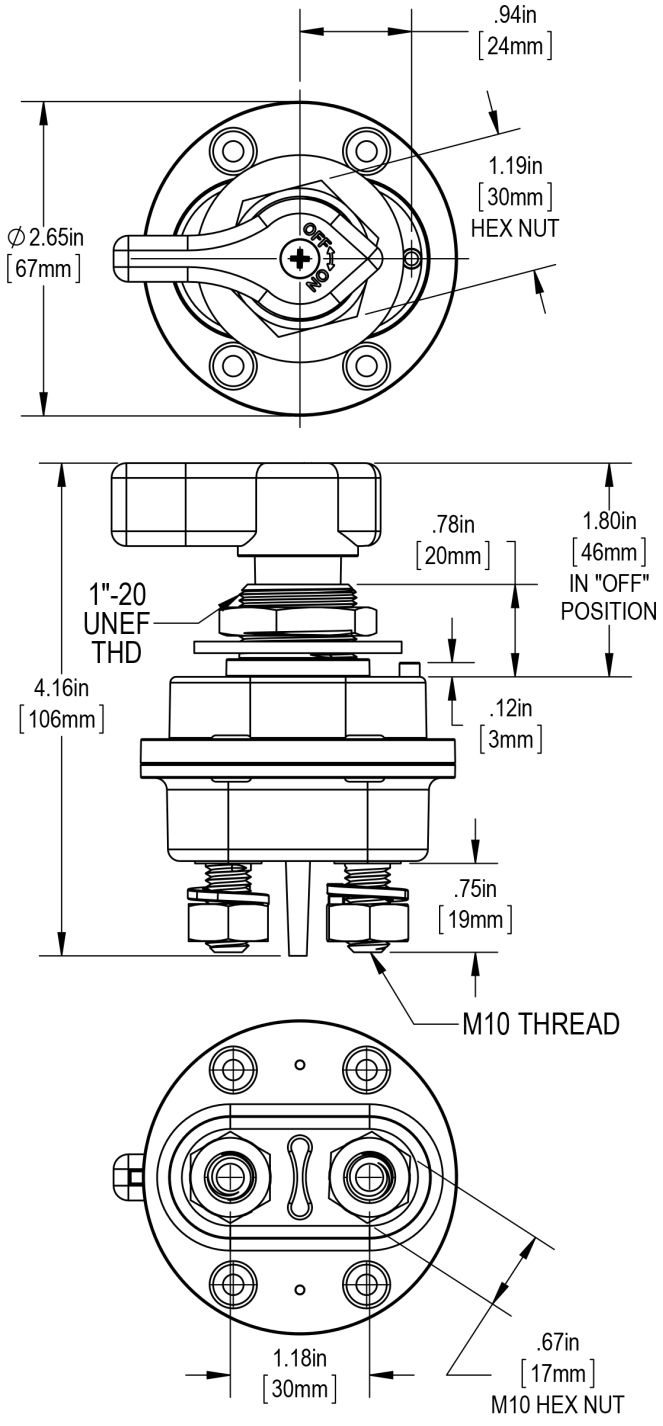
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“500” Series Battery Switches and Disconnects

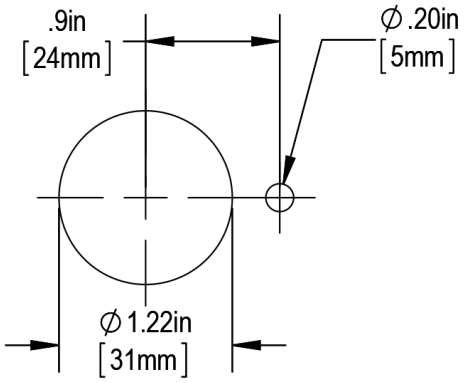
Shallco 500 Series Battery Switches and Disconnects are designed and manufactured in Smithfield North Carolina. Our products are designed to meet the most demanding applications in the Transportation, Marine and Heavy Equipment industries. Tested to industry standards for shock, vibration, sealing, life, voltage drop, temperature rise and resistance to fluids and cleaning agents. The 500 line of Battery Switches and Disconnects are robust in mounting and retention of battery leads under the most demanding conditions.

Physical Data

SHOWN IN OPEN POSITION



Mounting Details



500 SERIES AVAILABLE AS:
A SWITCH (500S) OR
AS A DISCONNECT (500D).

Technical Data

- Temperature Range: -40°C to 85°C
- Voltage Drop: <150 mVDC
- Minimum Insulation Resistance: >100MΩ
- Barrier Isolated Terminals
- Dielectric Withstanding: 1100 Volts
- Bushing Mount Torque: 18 ft-lbs
- Terminal Torque: 13 ft-lbs
- Voltage Range: Up to 48 VDC
- Sealed: IP67 and SAE J1455
- Lockable Version Available

500S (Switch):
- Full Rated Current (Make/Brake): 10,000 cycles.
- Contact Material: Silver Alloy
- Current: 200 Amps and 300 Amps

500D (Disconnect):
- Mechanical Life: 25,000 Cycles, limited number of full load make/break cycles.
- Contact Material: Copper
- Current: 200 Amps and 300 Amps

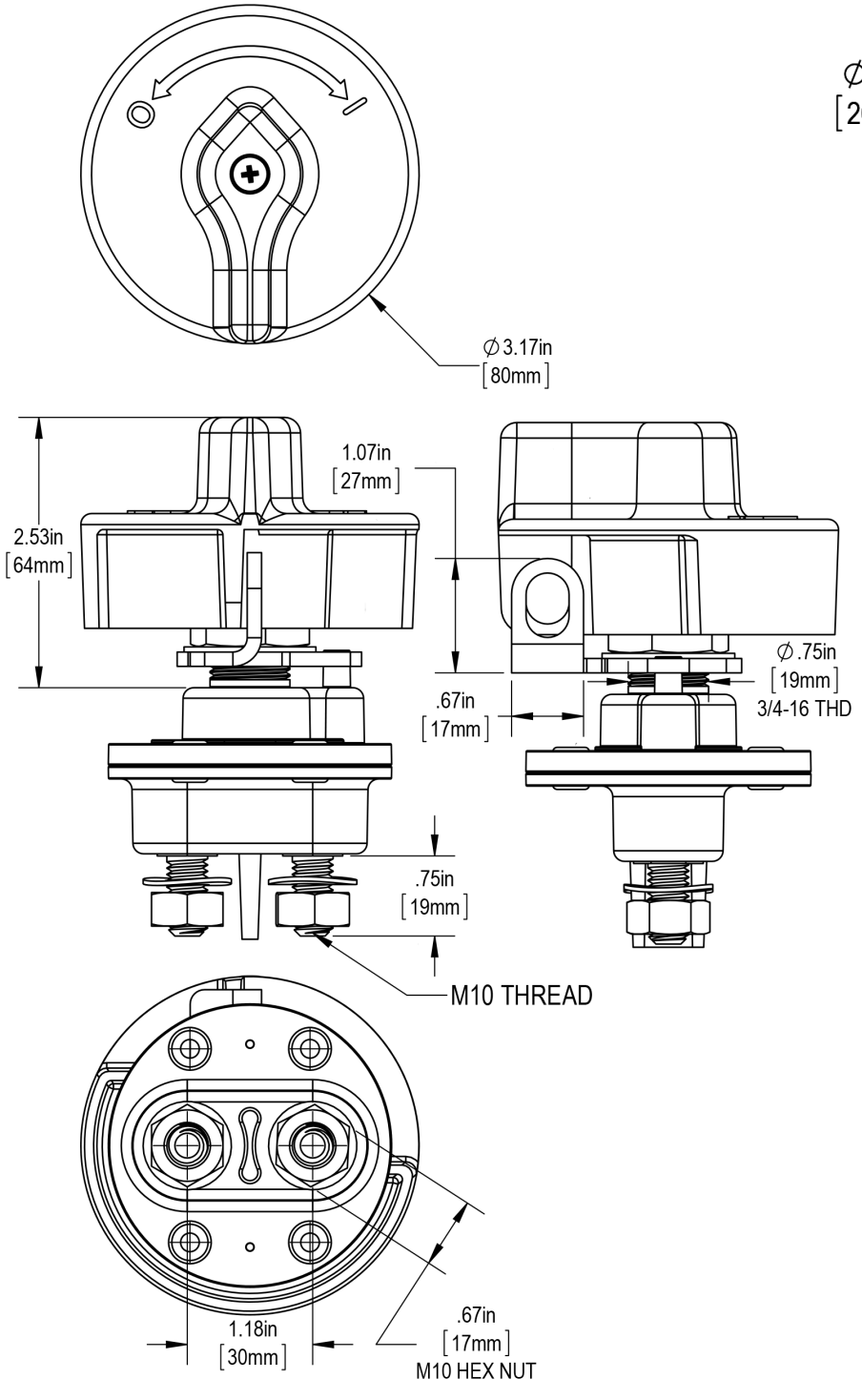
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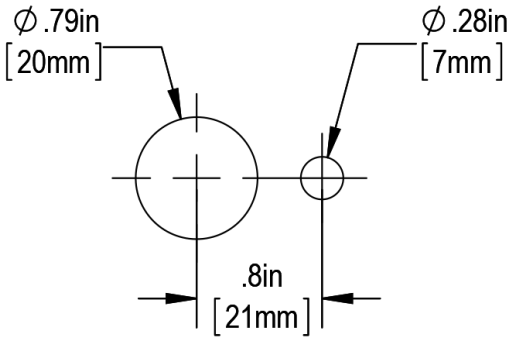
“502” Series Battery Switches and Disconnects

Shallco 502 Series Battery Switches and Disconnects feature a lockable, shielded handle are designed and manufactured in Smithfield North Carolina. Our products are designed to meet the most demanding applications in the Transportation, Marine and Heavy Equipment industries. Tested to industry standards for shock, vibration, sealing, life, voltage drop, temperature rise and resistance to fluids and cleaning agents. The 500 line of Battery Switches and Disconnects are robust in mounting and retention of battery leads under the most demanding conditions.

Physical Data



Mounting Details



500 SERIES AVAILABLE AS:
A SWITCH (500S) OR
AS A DISCONNECT (500D).

Technical Data

- Temperature Range: -40°C to 85°C
- Voltage Drop: <150 mVDC
- Minimum Insulation Resistance: >100MΩ
- Barrier Isolated Terminals
- Dielectric Withstanding: 1100 Volts
- Bushing Mount Torque: 18 ft-lbs
- Terminal Torque: 13 ft-lbs
- Voltage Range: Up to 48 VDC
- Sealed: IP67 and SAE J 1455

502S (Switch):

- Full Rated Current (Make/Brake): 10,000 cycles.
- Contact Material: Silver Alloy
- Current: 200 Amps and 300 Amps

502D (Disconnect):

- Mechanical Life: 25,000 Cycles, limited number of full load make/ break cycles.
- Contact Material: Copper
- Current: 200 Amps and 300 Amps

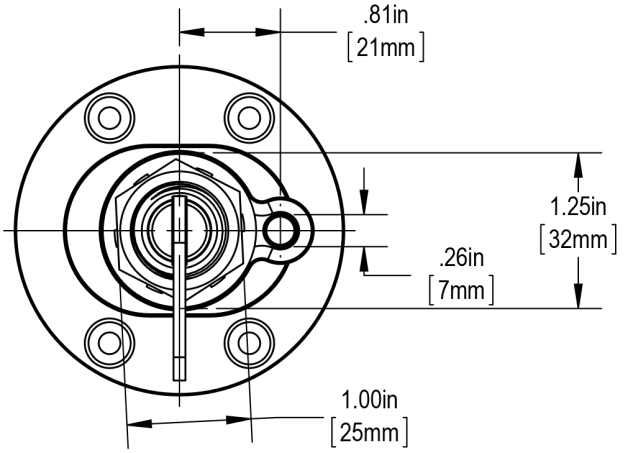
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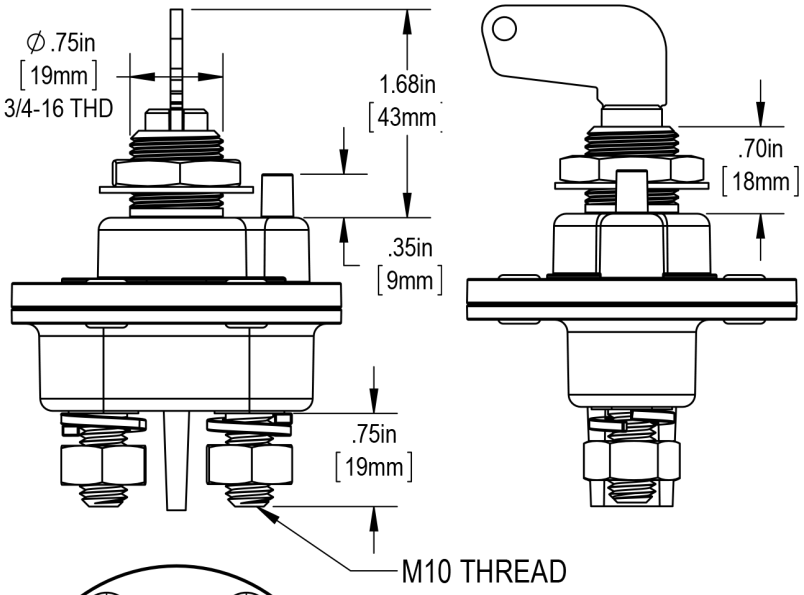
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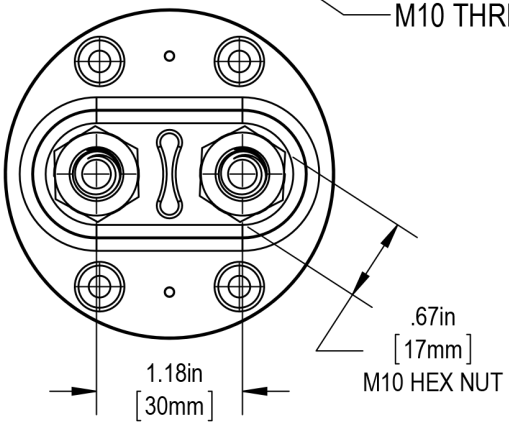
“503” Series Battery Switches and Disconnects

Shallco 503 Series Battery Switches and Disconnects are lockable with a removable key are designed and manufactured in Smithfield North Carolina. Our products are designed to meet the most demanding applications in the Transportation, Marine and Heavy Equipment industries. Tested to industry standards for shock, vibration, sealing, life, voltage drop, temperature rise and resistance to fluids and cleaning agents. The 500 line of Battery Switches and Disconnects are robust in mounting and retention of battery leads under the most demanding conditions.

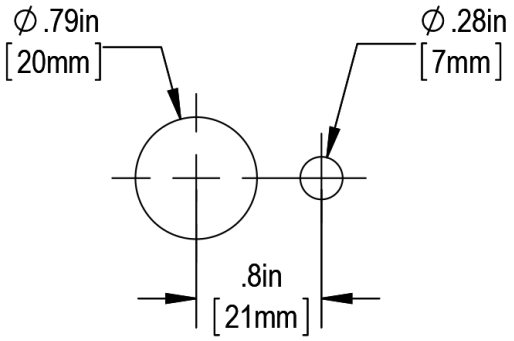
Physical Data







Mounting Details



503 SERIES AVAILABLE AS:
A SWITCH (503S) OR
A DISCONNECT (503D).

Technical Data

- Temperature Range: -40°C to 85°C
- Voltage Drop: <150 mVDC
- Minimum Insulation Resistance: >100MΩ
- Barrier Isolated Terminals
- Dielectric Withstanding: 1100 Volts
- Bushing Mount Torque: 18 ft-lbs
- Terminal Torque: 13 ft-lbs
- Voltage Range: Up to 48 VDC
- Sealed: IP67 and SAE J1455.

503S (Switch):
- Full Rated Current (Make/Brake): 10,000 cycles.
- Contact Material: Silver Alloy
- Current: 200 Amps and 300 Amps

503D (Disconnect):
- Mechanical Life: 25,000 Cycles, limited number of full load make/break cycles.
- Contact Material: Copper
- Current: 200 Amps and 300 Amps

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