BATTERY DISCONNECT CIRCUIT BREAKER SERIES 67

MP Mechanical Products

The MP Series 67 is a Battery Disconnect Switch with a built-in circuit breaker feature. When the switch is ON, power is output via 2 rear studs (OUTPUT & ACC). The OUTPUT stud is a direct power output. The ACC stud feeds power via the built-in circuit breaker to protect electrical devices on this circuit. The switch is available in either a Single Input (On/Off) or Dual Input (for 2 batteries). The Dual Input switch can switch power from either battery or both batteries to the OUTPUT & ACC studs.

MADE IN THE USA

NEW

IGNITION PROTECTED

IP66

Features

- Plated copper studs for maximum conductivity and corrosion resistance.
- One-piece terminal stud design never loosens over time.
- 7/8" (22.2mm) stud length accepts multiple cable terminals.
- Case design allows surface, rear, or front panel mounting.
- Fits most, Blue Sea, PERKO and Guest battery switch mounting cut out patterns.

Single Input Part Number	Dual Input Part Number	Ampere Rating
672-P01-030-04	674-P01-030-04	30A
672-P01-040-04	674-P01-040-04	40A
672-P01-050-04	674-P01-050-04	50A
672-P01-060-04	674-P01-060-04	60A
672-P01-070-04	674-P01-070-04	70A
672-P01-080-04	674-P01-080-04	80A
672-P01-090-04	674-P01-090-04	90A
672-P01-100-04	674-P01-100-04	100A
672-P01-120-04	674-P01-120-04	120A
672-P01-135-04	674-P01-135-04	135A
672-P01-150-04	674-P01-150-04	150A

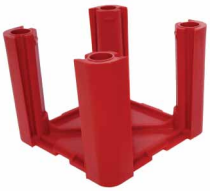


672-P01
Single Input
Switch with Breaker



674-P01
Dual Input
Switch with Breaker

Part Number	Description
67-S	Surface mount base (stand-off)
670-324-1000	Side panels for base (slide in)



67-S
Surface Mount Base



670-324-1000
Side Panel for Base

Operating Temperature: -40°C to +85°C
Terminal Stud Size: 3/8"-16
Stud Ring Terminal Size: M10 (3/8")
Terminal Stud Torque: 180 in-lb (20.34 N-m)
Mounting: #10 Screw
Cable Size to Meet Ratings:* 4/0 AWG (120mm2)
Cable Clearance for 4/0 Cables: 1.10" (27.9mm)
Ingress Protection Rating: IP66 / IEC 60529
Approvals:
Ignition Protected: UL1500 / SAE J1171
Dielectric Strength: UL1107
Interrupt Capacity: ABYC-E11, UL OL1, SAE J553

Switch Specifications

Maximum Operating Voltage: 32VDC
Cranking Rating: 30 sec. 900A
Intermittent Rating: 5 min. 500A
Continuous Rating: 300A
Switching Cycles: 6000

Circuit Breaker Specifications

Maximum Operating Voltage: 32VDC
Ampere Ratings: 25A to 150A
Interrupt Capacity: 3000A (14VDC)
1500A (32VDC)
Accessory (ACC) Circuit Protection:
Holds 100% of rated current (at 25°C)
Trips at 135% of rated current within 1 hour



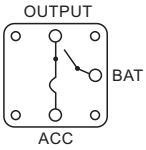
Switch fitted to Surface Mount Base
(with 1 side panel fitted)

Single Input Switch Circuit Diagrams (672-P01)

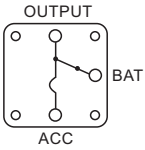




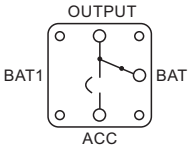
Rear View (Studs)
BAT
OUTPUT / ACC



"OFF" POSITION



"ON" POSITION



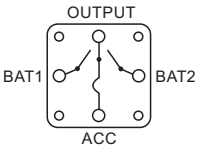
"ON" POSITION
& C.B. Tripped

Dual Input Switch Circuit Diagrams (674-P01)

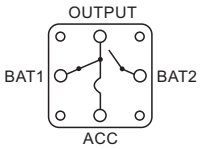




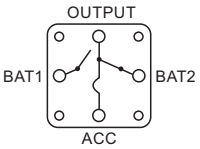
Rear View (Studs)
BAT1 / BAT2
OUTPUT / ACC



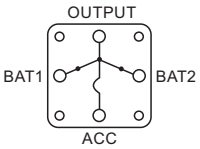
"OFF" POSITION



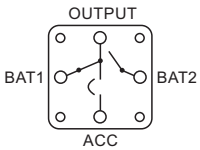
"1" POSITION



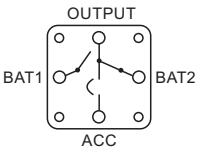
"2" POSITION



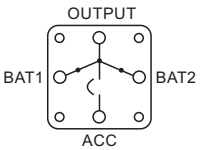
"1+2" POSITION



"1" POSITION
& C.B. Tripped

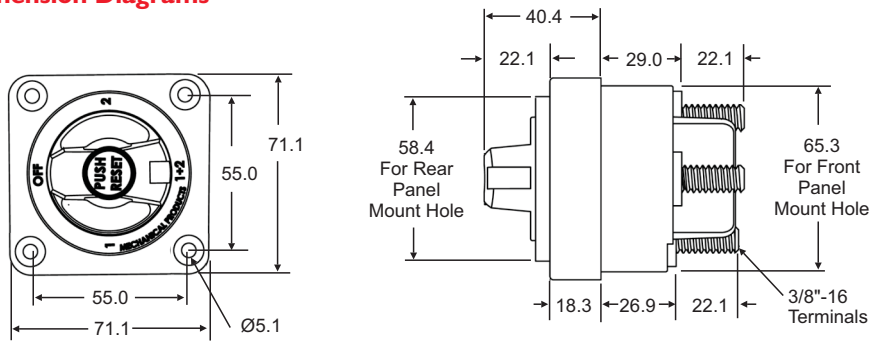


"2" POSITION
& C.B. Tripped

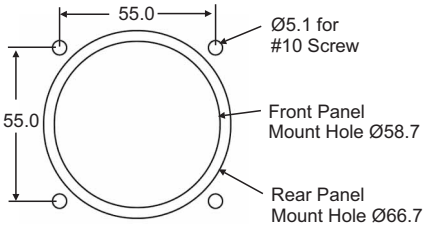


"1+2" POSITION
& C.B. Tripped

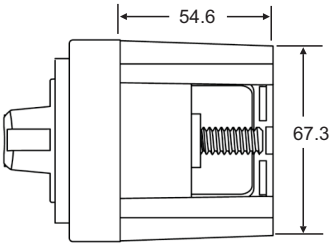
Dimension Diagrams



Dimensions in MM



Panel Mount Template



Surface Mount Base Fitted

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