GIGAVAC®

Manual Battery Switch

BD



FEATURES

- Sealed to IP67 and IEC529 providing reliable operation in any environment
- Meets CE conformance standards - CE Approved
- 500A continuous rating compliments even the largest of vehicle platforms
- Overload ratings to 2500A for engine cranking at all temperatures
- Low stable contact resistance means minimal voltage drop
- Lock out - tag out feature for maintenance and vehicle storage

ADVANCED SWITCHING SOLUTIONS

Rev 7 2/26/16

MANUAL BATTERY SWITCH
Double pole single throw sealed switch

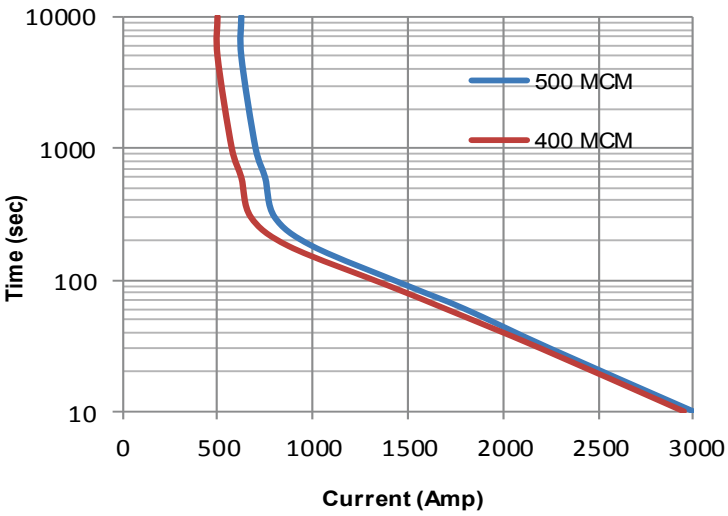
BD

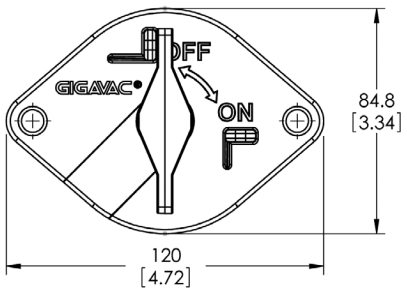


TECHNICAL DATA

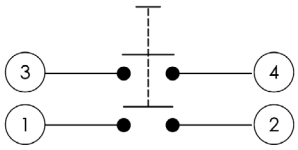
Case/Cover Material	Zytel
Base Plate	Zytel
Switch Lever Material	Zytel
Min. Insulation Resistance	100 MOhm
Dielectric Withstanding Voltage	1050V-1min
Max. Contact Voltage Drop	150mv
Voltage	up to 32VDC
Continuous Rating	2x500A
Overload	2x2000A-1.5 min 2x2500A-10 sec
Sealing	IP67/IEC 529
Vibration	10G 18-500Hz
Weight	700g/1.55lb
Temperature Range	-40C to +85C
Wire Section (at nominal load)	min. 250mm2
Lever	non-removeable
Max. Torque (Main Contacts)	15-20Nm

Current Carry vs Time
with 85°C terminal temperature rise

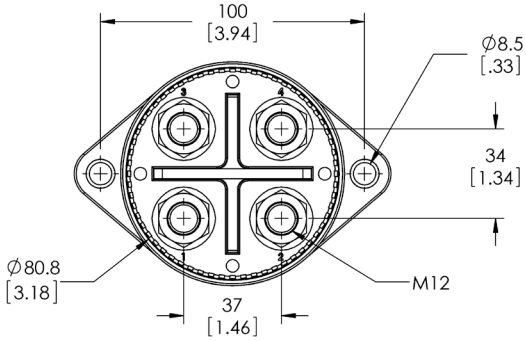


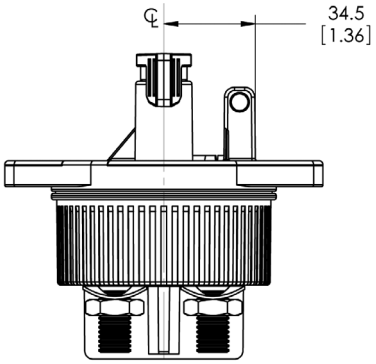


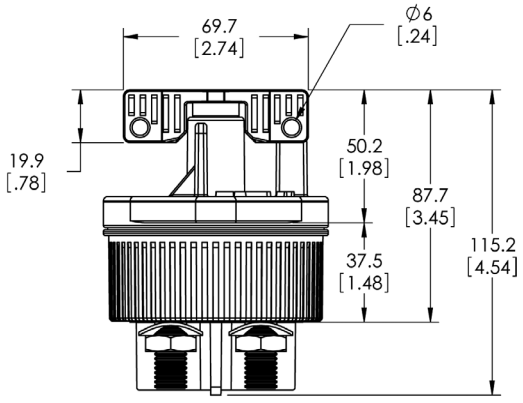
CIRCUIT



BD9521 SHOWN







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Double pole single throw sealed switch

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PART NUMBER SYSTEM

BD	9	5	2	1
Mount	**9** = Flange Mount, 120mm wide			
Current Rating		**5** = 500A		
Power Terminals			**1** = M10 terminals	
			2 = M12 terminals	
Locking Hasps and Lever				**1** = ON and OFF, Black lever, 6mm holes
				2 = OFF only, Black lever, 8mm holes
				3 = ON and OFF, Red lever, 8mm holes
				4 = OFF only, Red lever, 8mm holes
				5 = ON and OFF, Yellow lever, 8mm holes
				6 = OFF only, Yellow lever, 8mm holes

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