

HIGH VOLTAGE BATTERY DISCONNECT SWITCH 1500VDC

The HVBD8 High Voltage Battery Disconnect Switches are designed to switch power on/off in electrical systems rated up to 1500VDC*. Applications include electric vehicles, high voltage battery systems, heavy truck, off-road vehicles, marine, emergency vehicles, construction & mining.

NEW
IP69

Features

- High amperage capacity: 800A.
- Industry Leading Dielectric Withstand Voltage.
- High Temperature Performance.
- Ultra-Low Contact Resistance over Life.
- Robust Metal-Ceramic Hermetic Seal
- Ready for Harsh Environments (IP69).
- Optional Integrated Auxiliary Contacts.
- Large knob is easy to operate with gloves.
- Designed for OSHA compliant Lockout/Tagout (LOTO)
- Designed and Assembled in the USA.



HVBD8AXR (SPST Switch)

Part Number	Description	Actuator Colour
HVBD8AXR	SPST Switch	Red ■
HVBD8AAN	SPDT Switch with Auxiliary Output Cables	Orange ■
RP2127	Black Mounting Gasket	N/A
RP2099	90 Degree Bracket	N/A

Continuous Current: 800A (400mm² busbar)
Voltage: 1500 VDC*
Make & Break: 5000 cycles (400A at 24VDC)
Operating Temperature: -55 to 85 deg C
Terminal Temperature: 170 deg C max.
Housing & Switch Material: PA GF
Terminal Studs: 2 x M10, Stainless Steel
Hardware: Nuts (included)
Terminal Nuts Torque: 10 - 11 Nm
Mounting Torque: 2.8 - 4 Nm (with gasket fitted)
 12.4 - 13.6 (no gasket)
Dielectric Withstand Voltage: 5375 VDC, 1 min.
Vibration Test: 4G (10-500Hz), 20G (500-2000Hz)
Shock Test: 25G (1/2 Sine 11ms)
Ingress Protection Rating: exceeds IP69
Approvals: CE
Notes: *The HVBD is designed to isolate at voltages up to 1500VDC and is not intended for make/break switching above 100V.
 Gasket and or RTV required for feed through applications where IP67 is required at the housing flange mounting feature.



HVBD8AAN (SPDT Switch)

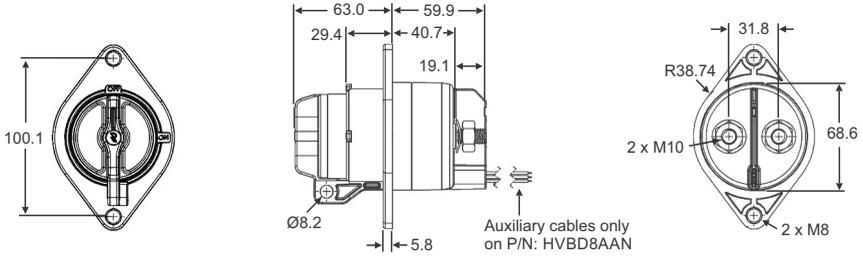
Features 3 auxiliary cables.
 Main contacts close before auxiliary contacts when switching from OFF to ON.
 Auxiliary contacts open before main contacts when switching from ON to OFF.
Cable Length: 431 mm
Ampere Rating: 3A at 12VDC (100k cycles).
Black: Common.
Blue: Normally Open.
Grey: Normally Closed.
IP Rating Housing Feed-Thru: IP67



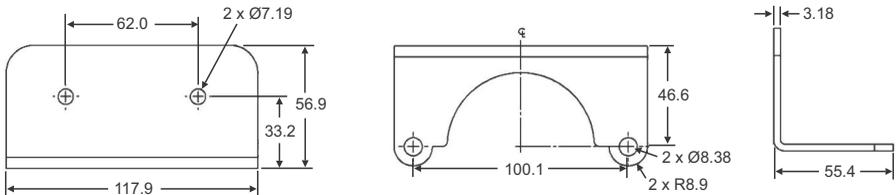
RP2099
Mounting Bracket



RP2127
Gasket

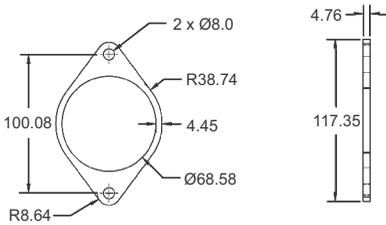


HVBD8...
Switch



RP2099
Mounting Bracket

Dimensions in MM



RP2127
Gasket



HVBD8AXR
Rear View



HVBD8AAN
Rear View



Lock-Out Feature