HIGH VOLTAGE BATTERY DISCONNECT SWITCH 1500VDC

RINCONPOWER
Products For An Electrified Future

The HVBD8 High Voltage Battery Disconnect Switches are designed to isolate power in electrical systems rated up to 800A / 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	Feature	Actuator Colour
HVBD8AXR	SPST Switch	Lockout	Red
HVBD8AAN	SPST Switch with Auxiliary	Lockout	Orange
RP2127	Black Mounting Gasket	-	Black
RP2099	90 Degree Bracket	-	Natural

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.



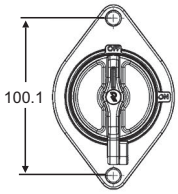
HVBD8AAN (SPST Switch)
Features 3 auxiliary cables.
Main contacts close before auxiliary contacts when switching from OFF to ON.
Auxiliary contacts open before main contacts when switching from ON to OFF.
Cable Length: 431mm
Ampere Rating: 3A at 12VDC (100k cycles).
Black: Common.
Blue: Normally Open.
Grey: Normally Closed.
IP Rating Housing Feed-Thru: IP67

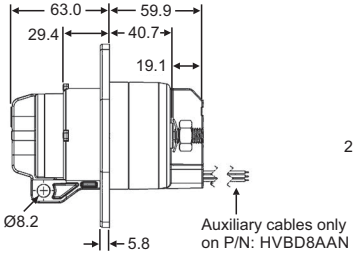


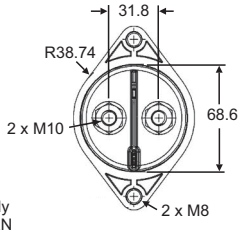
RP2099
Mounting Bracket



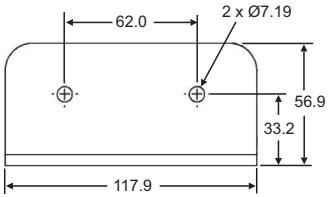
RP2127
Gasket



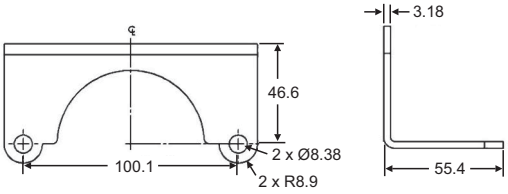




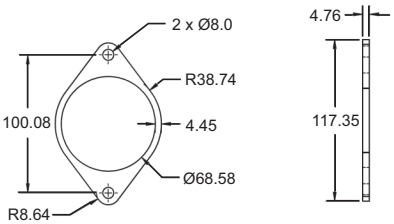
HVBD8...
Switch



RP2099
Mounting Bracket



Dimensions in MM



RP2127
Gasket



HVBD8AXR
Rear View



HVBD8AAN
Rear View



Lock-Out Feature

Email: info@prolecproducts.com.au
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