

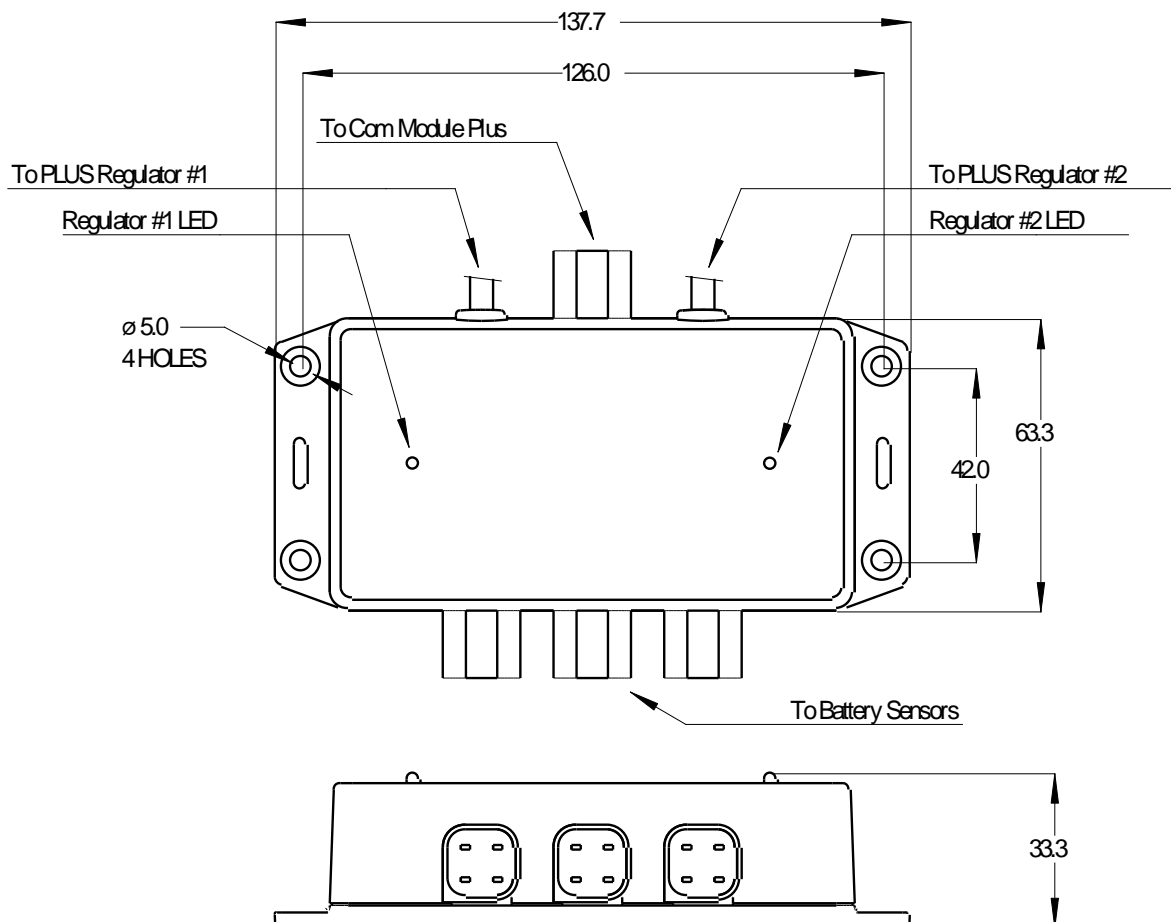
### 1. Description

The E-MAAX Battery Hub PLUS (BHP) allows connection of two PLUS regulators to multiple battery sensors and to a Com Module Plus. BHP is required with the Com Module PLUS to control 2 regulators on 2 engine systems. The housing contains 3 connection ports on one side for the battery sensors; temperature, voltage and current (or BMS from a LiFePO<sub>4</sub> MAAX battery). The single port connection on the other side connects to the Com Module PLUS, with the remaining 2 wired connectors going to each of the E-MAAX PLUS regulators. The LED indicators flash green when a PLUS regulator is connected.

### 2. Specifications

Parameter	Value	Units
Weight	200	grams
Housing material	PVC	-
Operating range	-20 .. +80	Celsius deg
Protection	IP 56	-
Maximum allowable shock	3	G
Maximum allowable relative humidity	95	%

### 2. Dimensional outline

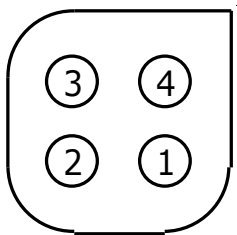


All units are millimeters

**4. Electrical specifications**

Parameter	Value	Units
DC voltage supply range	6 .. 20	Volts
Current consumption	0.020	Amps
LED color	Green	-
Cable ratings	Gauge: 20 AWG Material: tinned copper strands Strand size: Ø 0.16 mm Insulator Material: PVC Jacket Color: black Diameter: 5.5 mm	-
Communications format	RS-485	-
Wire colors designations	black – battery negative (isolated from the housing) red – DC supply (isolated from the housing) white – communication lead "A" yellow – communication lead "B"	-
Connector pin-out	1 - black – battery negative 2 - red – DC supply 3 - white – communication lead "A" 4 - yellow – communication lead "B"	-

4-pin connector pins, view from the cable side (insertion)



**Notice**

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