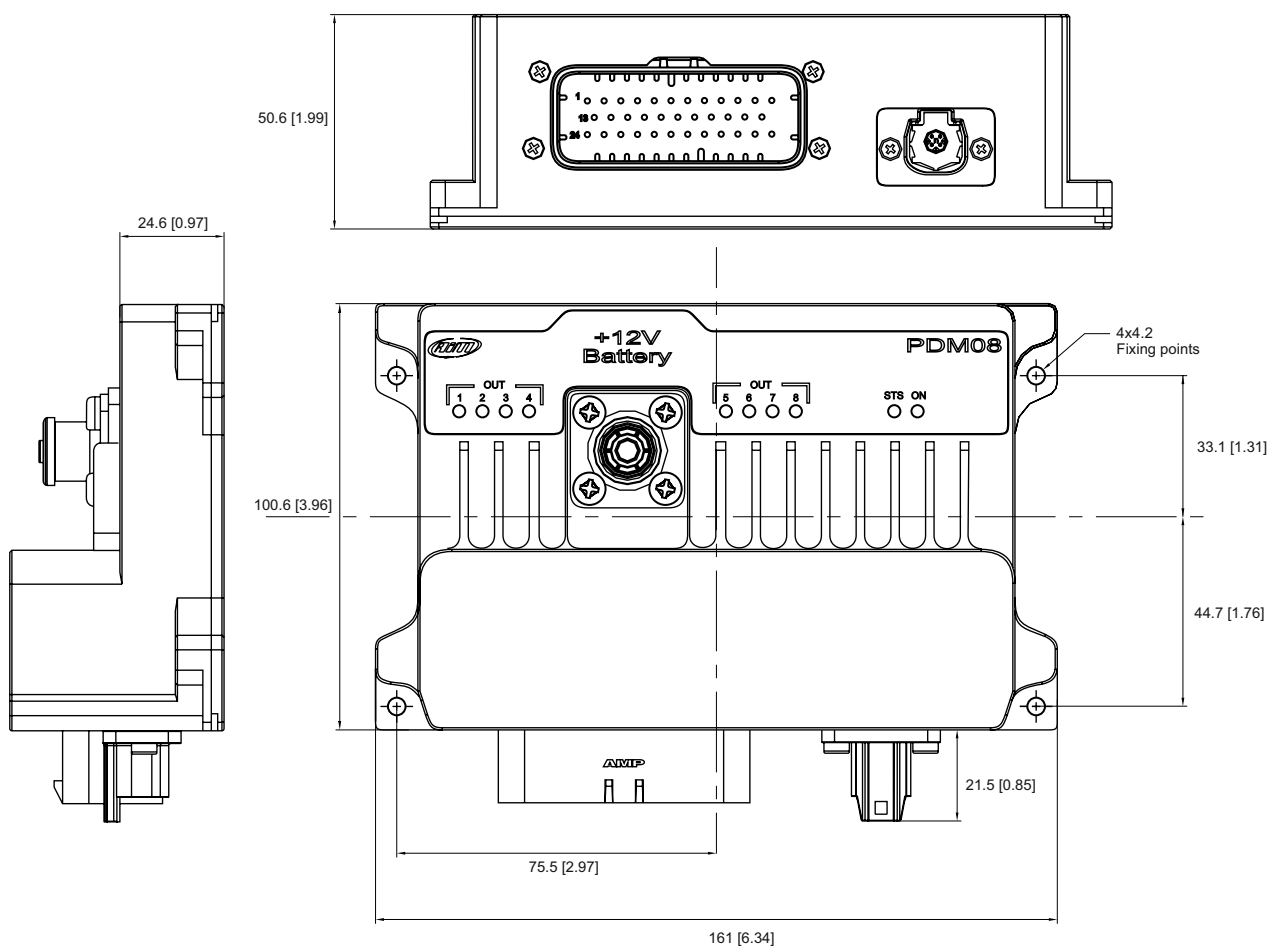




AiM PDM08

Power Distribution Module





AiM PDM08

Power Distribution Module

Technical specifications

LEDs	8 RGB LEDs + 1 PDM ON + 1 PDM STS (Status)
Inputs	6 fully configurable, max 500 Hz each
Power outputs	8 rated up to 20 A (mid power) Protected for: over voltage, under voltage, over current, over temperature
Lin bus	1
CAN connections	3
Inertial platform	3 axis $\pm 5G$ accelerometer + 3axis gyro + 3 axis magnetometer
Internal memory	4 GB
External modules	GPS Module, Channel Expansion, TC Hub, Lambda Controller, SmartyCam HD, Remote I/O pushbutton module
External Analog Camera input	NO
Connectors	1 AMP connector + 1 Amphenol Surlok connector + 1 Rosenberger connector
Body	Anodized Aluminum
Dimensions	161x100.6x50.6 mm
Weight	500 g
Waterproof	IP65

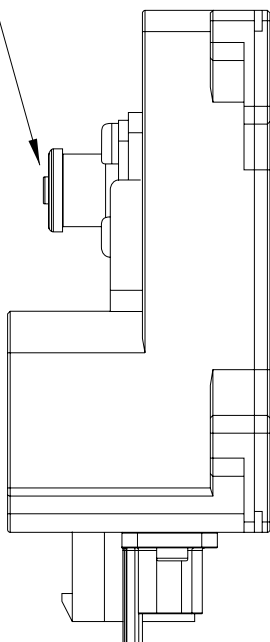


AiM PDM08

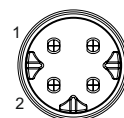
Power Distribution Module

Pinout

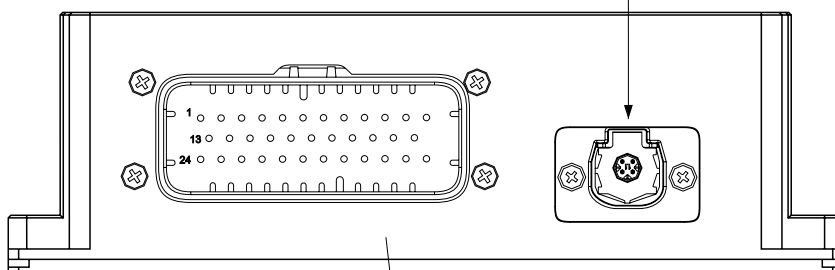
Amphenol Surlok
panel 120A male connector
+9-15Vdc (from battery)



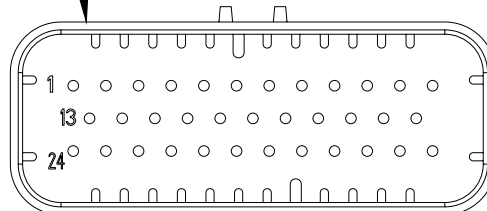
LVDS Link
4 pins Rosemberger
male connector
(external view)



1 - Serial data-
2 - +V Power
3 - Serial data+
4 - GND



35 pins AMP panel male
connector pinout
(external view)



PIN	FUNCTION	PIN	FUNCTION
1	Power output 1	19	CAN2 High
2	Power output 2	20	Channel input 3
3	CAN0 High	21	Channel input 4
4	Power output 3	22	+5V Reference
5	CAN1 Low	23	GND
6	Power output 4	24	LIN
7	Power output 5	25	Ignition
8	Channel input 1	26	+VB Output CAN
9	Power output 6	27	GND
10	Channel input 2	28	Speed 2 input
11	Power output 7	29	Speed 1 input
12	Power output 8	30	Channel input 5
13	Power GND	31	+5V Reference
14	+Vb ext CAN	32	+VB Output
15	CAN0 Low	33	Channel input 6
16	CAN1 High	34	USB D+
17	GND	35	USB D-
18	CAN2 Low		