

100A-J1939 Output Module



This device is a 10 channel PWM output module designed to be a cost effective solution for extreme duty applications. Each PWM output has independent control of frequency and duty cycle, making it versatile to match a wide range of applications. 8 outputs are rated to 25.5A,* 2 outputs are rated to 10.0A, with a total device current of 100A.

Product Features

- Operating voltage range of 8-32 VDC
- Reverse battery protection
- Voltage transient protection
- Short circuit and over load protection
- Up to 25.5 A per output * / 100A per module
- Small footprint
- Potted - protection from harsh environments
- Sealed automotive (Deutsch) connectors
- Easy 3 point mounting / rugged ABS housing
- Output current feedback
- Adjustable output current limiting
- Independent frequency and duty cycle
- Customizable

Environmental Specifications

Storage Temp.: -40° to 85° C

Operating Temp.: -40° to 85° C

IP Rating: 67

Weight (no heatsink): 1.70 lbs. Typ

Weight (heatsink): 2.00 lbs. Typ

Unit Connections

3 Pin Deutsch (J1939 communications) DT04-3P
Mate Connector: DT06-3S Housing

0462-201-16141 Contact
W3S-1939 Wedge lock

1 Pin Deutsch (power connection) DTHD04-1-4P
Mate Connector: DTHD06-1-8S Housing

0462-203-08141 Contact

12 Pin Deutsch - Gray (outputs 1-6) DTF15-12PA
Mate Connector: DT06-12SA Housing

0462-201-16141 Contact
W12S Wedge lock

12 Pin Deutsch - Black (outputs 7-10) DTF15-12PB
Mate Connector: DT06-12SB Housing

0462-201-16141 Contact
W12S Wedge lock

Electrical Specification

Power Supply Voltage: 8-32 VDC

Output Current: 25.5A * Max (Out 1 - 8)

Output Current: 10.0A Max (Out 9 - 10)

**Loads that require more than 15A continuous must use module with heat sink.*

Note: On highly inductive loads, outputs may require external clamping diodes to clamp inductive flyback voltage spikes to ground.

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