

# M-FLEX 8I-8O 10A CAN CONTROLLER

The M-Flex 8I-8O 10A CAN Controller has eight configurable inputs and outputs designed for severe duty, outdoor mobile application and is built to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to these environments.




IP67  
IP69

12V  
24V

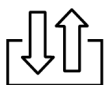
RoHS  
compliant



## FEATURES



Designed for severe duty, outdoor mobile applications.



Configurable inputs and outputs for customizing controller to each application.



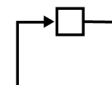
Fully encapsulated electronics for complete environmental protection.



Deutsch DT style connectors.



250/500/1000 kbps CAN bus speeds.



Outputs have closed-loop current sensing for accurate control of proportional valves.



User-programmable software.

## SPECIFICATIONS

Specifications subject to change without notice. \ Revised 08.23

<b>Supply Voltage</b>	8-36VDC operating range, reverse polarity protected.
<b>Max Current</b>	80A max current, 10A per output.
<b>CAN Protocol</b>	SAE J1939, CANopen.
<b>Inputs</b>	(8) inputs configurable as analog, digital active-high, digital active-low, frequency, quadrature, PWM, or resistive.
<b>Outputs</b>	(8) Half-bridge PWM outputs rated at 3.0A, proportional, high side/low side switch. short-circuit and over-current protected.
<b>Indicators</b>	(2) red/green bi-color LEDs for power and CAN communication status.
<b>Connectors</b>	Deutsch equivalent DT15-12PA and DT15-12PB. Keyed and color coded.
<b>Mounting</b>	(2) M6 or ¼" screws (6.35mm screws).
<b>Ingress Protection</b>	IP67 and IP69K rated (with appropriate connector boots).
<b>Operating Temperature</b>	-40° to 85°C (-40° to 185°F).
<b>Storage Temperature</b>	-40° to 85°C (-40° to 185°F).
<b>Weight</b>	1.45 pounds (658g).
<b>Baud Rate</b>	Auto detection for 250/500/1000 Kbps.
<b>Packaging</b>	Noryl enclosure with mounting tabs, fully encapsulated.

## DIMENSIONS

