

**Features:**

- 1 Digital Signal input
- 1 Isolated CAN port
- Operational 4...36 Vdc (12 Vdc or 24 Vdc)
- Plug and play
- DIN rail mount
- IP20
- EDS provided to interface to standard CANopen® tools



**Applications:**

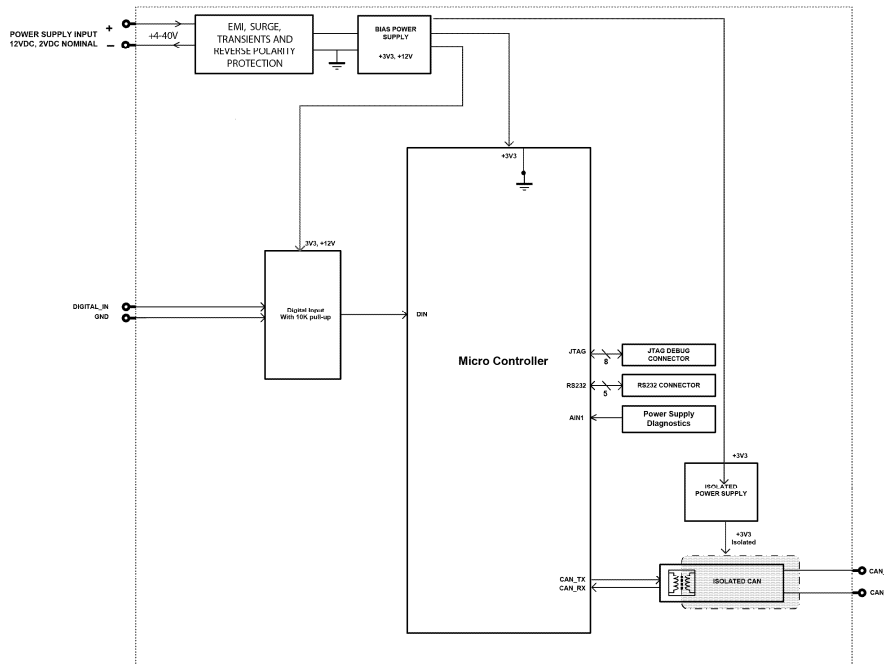
- Switch Gear, Power Transfer Switches, Power Technologies

**Ordering Part Numbers:**

Module P/N: **AX031711**

Accessories: None

**Block Diagram**



*Specifications are indicative and subject to change. Actual performance will vary depending on the application and operating conditions. Users should satisfy themselves that the product is suitable for use in the intended application. All our products carry a limited warranty against defects in material and workmanship.*

## Technical Specifications:

### Power

Power Supply Input - Nominal	12 V or 24 Vdc nominal; 4...36 Vdc
Protection	Reverse polarity protection up to -100V. Under-voltage protection is down to 3.5V. Overvoltage protection is up to 40 V.
Voltage Sags	0.5V for 0.2 seconds, 4V continuous

### Input

Input Signal	1 Digital Input, Active High or Active Low, Amplitude: 0 to +V supply
Analog Ground	One provided

### Control Logic

Software Platform	The module comes pre-programmed with standard logic.
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### General Specifications

Memory	STM32F103CBT7, 32-bit, 128 Kbytes Flash Program Memory														
CAN Port	1 CAN 2.0b, CANopen®														
Isolation	300 Vrms, CAN bus Isolation														
User Interface	EDS provided to interface to standard CANopen® tools														
Quiescent Current Draw	12mA @ 24Vdc Typical; 20 mA @ 12Vdc Typical														
Operating Conditions	-40 to 85°C (-40 to 185°F)														
Weight	Contact Axiomatic.														
Protection Rating	IP20														
Enclosure and Dimensions	Wieland WEG 6 terminal modular housing, PA66/6 (nylon), UL94V0 rated Size: 60.6 x 90.5 x 22.5 mm (2.39 x 3.56 x 0.89 inches) WxHxD excluding DIN rail Refer to Figure 1.0 dimensional drawing.														
Electrical Connections	6 screw terminals, #12 to #22 AWG terminals <table border="1" data-bbox="597 982 1024 1224"> <thead> <tr> <th>Pin #</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CAN L</td> </tr> <tr> <td>2</td> <td>BATT -</td> </tr> <tr> <td>3</td> <td>BATT +</td> </tr> <tr> <td>4</td> <td>INPUT +</td> </tr> <tr> <td>5</td> <td>INPUT GND</td> </tr> <tr> <td>6</td> <td>CAN H</td> </tr> </tbody> </table>	Pin #	Description	1	CAN L	2	BATT -	3	BATT +	4	INPUT +	5	INPUT GND	6	CAN H
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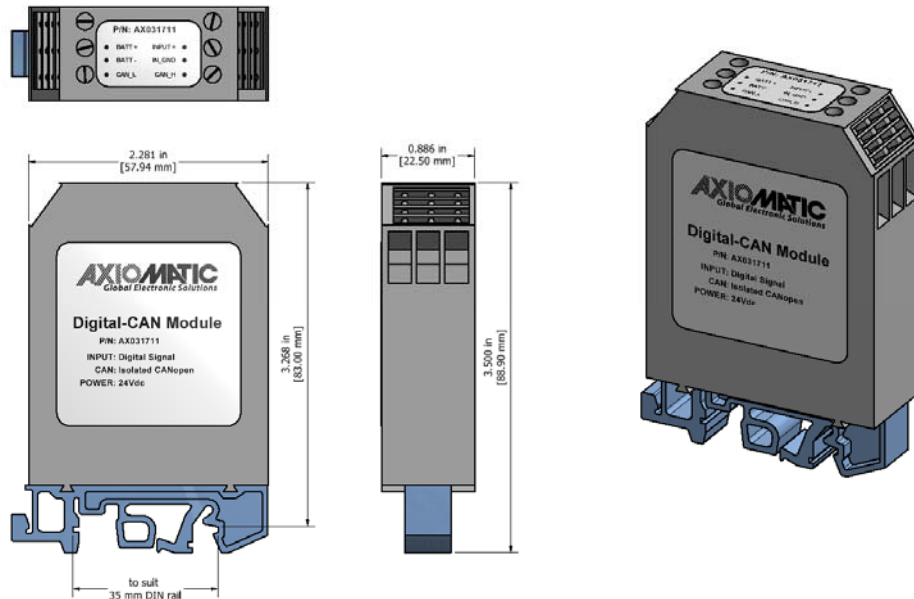


Figure 1.0 – Dimensional Drawing

Notes: CANopen® is a registered community trade mark of CAN in Automation e.V.

Form: TDAX031711-07/13/18