



# Automotive Intelligent Module

AIM HIGH 0410A



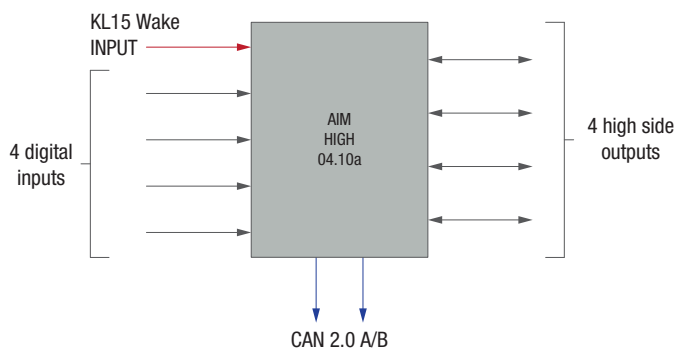
**Smart CAN Module  
with 4 High Side Outputs**

Technical Datasheet

# Technical Specification

## Intelligent Power and Control Systems

Wuerth Elektronik ICS develops and manufactures printed circuit board-based systems for signal and power distribution, electronic control, display & control panels. From simple components to complete system solutions, customers from industry, construction, agro-machinery, commercial & special vehicles can rely on our wide product range.



AIM is the short for Automotive Intelligent Modules with CAN communication protocol laying the foundation for the entire series.

AIM HIGH 0410A is one of the products of the AIM series, which has 4 high side outputs with 10A each of load current capability.

### Inputs

Activation Pin	KL 15
Digital Input	Switch ON / Switch OFF

### CAN

CAN 2.0A	KL 15
CAN 2.0B	Switch ON / Switch OFF
BAUD RATE	50kbps to 1Mbps

### Outputs

Digital Output	4 high side outputs with load current Max 10a each
PWM Capable	Yes
PWM Frequency	MAX. 1kHz
PWM Duty Cycle	0 to 100%
PWM Resolution	0.1%

### Specification

Connector	MOLEX 150 – 20 PINS Mates with 0334722001
Dimension	101x 85 x 34
Operating range	9V to 20V
Operating temperature	-40°C to 124°C
Ingress protection	IP69
Clock frequency	40MHz
Flash memory	128 kB
Ram	16 kB

## Highlights

**1** Diagnostic current sensing.

**2** Diagnostic data on can bus.

**3** Open load, overload & short circuit detection & protection.

**4** Most suitable for resistive & capacitive loads.

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