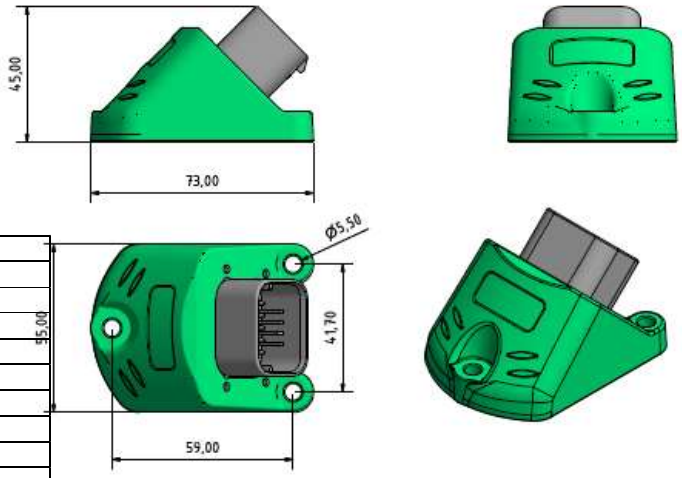
Datasheet

Article No.: CAN102019.008

Description

CAN I/O module for multi-purpose use, either programmable in C or optional as CAN open slave. The module is connected via a waterproof connector, which is arranged in a 45° angle. This makes assembly easier, especially with mobile machines.

View



Technical Specification

Nominal Voltage	**12/24V**
Operating Voltage	**5V-36V**
Stand-By Current	**<1mA**
Operating Temperature	**-40 – 85 °C**
Protection Class	**IP6K9K**
Intererence Immunity	**95/54 EG & DIN 40839**
Weight	**ca. 90g**
Length	**73mm**
Width	**55mm**
Height	**45mm**
Output Highside Driver	**2A per Output 8A Current@ 20°C**
Analogue Inputs	**0-10V**
Output Lowside Driver	**2A @ 20°C**
Communication	**CAN 125/250/500 kBit**

Features

The module is designed for mobile machines, e.g. agricultural or construction equipment. It is used, for example, for capturing sensor values or switching solenoid valves or headlamps, etc. Due to the possibility of a free programming, it can also be used as a microcontroller. Thus, for example, in combination with our CAN adapter for standard switches and our smaller CAN I/O module, a scalable system control unit can be set up.

Material

Potting Compound	Electrolube UR5604
Housing	PC 20% Glass Fibre

Pin Defination

Pin	Funktion
1	**12/24V**
2	**Analogue Input or Highside out (IO4)**
3	**GND**
4	**Analogue Input or Highside out (IO3)**
5	**Analogue Input or Highside out (IO2)**
6	**CAN-L**
7	**Analogue Input or Highside out (IO1)**
8	**CAN-H**

Article Number

CAN102019.008

CAN-Parameter

Information:

ID	B0	B1	B2	B3	B4	B5	B6	B7	Beschreibung
TX ID	AIN1 High	AIN1 Low	AIN2 High	AIN2 Low	AIN3 High	AIN3 Low	AIN4 High	AIN5 Low	Rohwerte des AD-Wandler

ID	B0	B1	B2	B3	B4	B5	B6	B7	Beschreibung
0x04B	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	alle 100ms um in den Konfig. Modus zu versetzen.
0x1BB	Neuer empfangs ID				Neuer sende ID				Dient um dem Modul neue IDs zuzuweisen
0x2BB	0 = standard 11 bit ID, 1 = extended 29 bit ID	0 = 125 kBit, 1 = 250 kBit	heartbeat in 10ms	lower first 4 bits 1 = pullup is enable, 0 = pullup is disable	threshold for immediately CAN message on an analog Input change				
RX ID	form Byte 0: Bit 1 = DO_1, Bit 2 = DO_2, Bit 3 = DO_3, Bit 4 = DO_4, Bit 5 = LED left, Bit 6 = LED right								Botschaft um Ausgänge/LEDs zu schalten.