CAN-IO Module

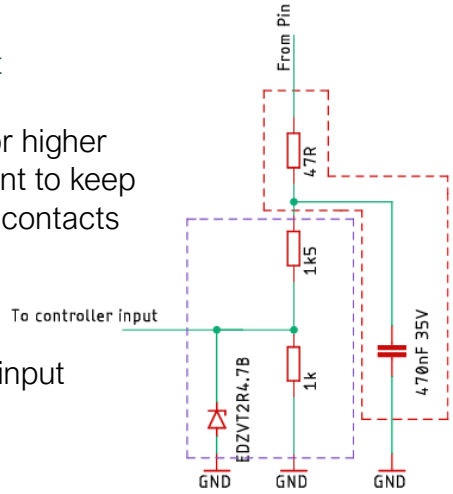
The CAN-IO module is housed in a very small automotive case and is used to expand input and output functionality via CAN. It collects signals from sensors (0-10V) or switches and drives resistive or inductive loads, such as work lights or hydraulic valves. Each pin features an analog input circuit, and 8 of the pins are equipped with additional output drivers. Thanks to an internal switch, there is no voltage backflow from an I/O pin to VCC when the module is not powered.



Input Circuit

Red area: for higher inrush current to keep mechanical contacts clean.

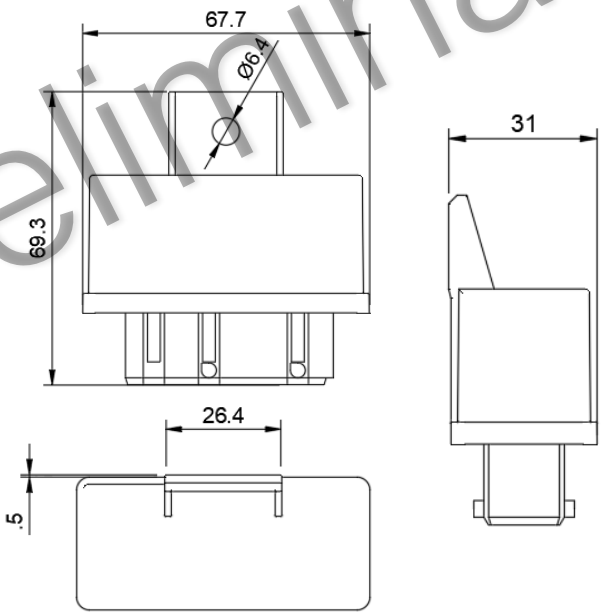
Violet area: input protection



Technical data

Nominal voltage	12V - 24V
Voltage range	9 – 30V
Connector on Harness	TE 1801326-1
Operating temperature	-40 - +80 °C
Weight	~ 40g
Program language	„C“
Dimension	67,7x31x69,3mm
CAN interface	125/250/500 kBit/s
Outputs	2A all with internal flyback diode (Pin xOx)
Inputs	0-10V analog range/ 0-30V digital range (Pin Ixx)
Protection	IP68
Software upload	Via CANopen Bootloader

Dimensions



Pinout:

Pin	Function	Pin	Function
1	+12-24V	9	GND
2	CAN-H	10	CAN-L
3	IO1	11	I1
4	IO2	12	I2
5	IO3	13	I3
6	IO4	14	IO7
7	IO5	15	IO8
8	IO6		

Materials

Contacts	A6,3 x 0,8 CuZn 37 F37
Housing	>>ABS<<

preliminary

Create:	BB	Date:	04.04.2025
Check:		Version:	V1

CAN-IO Module

Part Number: CANiO15-001

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