Datasheet

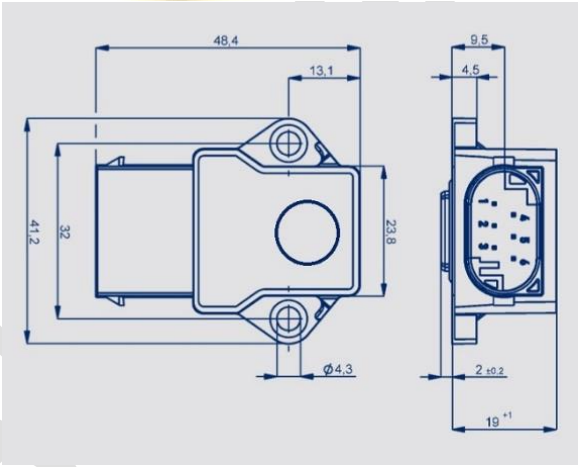
Article No.: SEN20201102.000

Description

Pressure switch with integrated ambient pressure sensor, 2x general purpose IOs (up to 200 mA) and CAN capability. It comes with a pre-installed Application to set the switching points of the two Outputs over some simple CAN commands. The sensor has also a pre-installed CAN Bootloader, so it is possible to run user Application.

View





Technical Specification

Nominal Voltage	**12/24/48V**
Operating Voltage	**9V-50V**
Stand-By Current	**<1mA**
Operating Temperature	**-40 – 85 °C**
Protection Class	**IP6K9K (mounted)**
Intererence Immunity	**95/54 EG & DIN 40839**
Weight	**ca. XXg**
Length	**48,4mm**
Width	**41,2mm**
Height	**21mm**
Output Highside Driver	**2x 0.2A per Output**
Analogue Inputs	**2x 0-10V**
Pressure range	**10-115 kPa (ABS)**
Communication	**CAN 125/250/500 kBit**

Features

- Precise absolute pressure sensors (ambient side and flange side)
- Useful flange for easy mounting at the pressure chamber
- Different Air connection adapter available
- CAN capability
- Programmable in “C”
- 2x 200 mA Outputs to drive relay coils

Pin Defination

Connector:

TE MQS-Connector, Coding: A, Counterpart: TE Nr. 1-967616-1

Pin	Funktion
1	**+12/24/48V**
2	**IO1**
3	**GND**
4	**IO2**
5	**CAN-L**
6	**CAN-H**

Material

Potting Compound	Epoxy
Housing	PBT 30% Glass Fibre

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CAN-Parameter

Information:

ID	B0	B1	B2	B3	B4	B5	B6	B7	Description
TX ID	AIN1 High	AIN1 Low	AIN2 High	AIN2 Low					RAW ADC Value

ID	B0	B1	B2	B3	B4	B5	B6	B7	Description
0x04B	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	Send every 100 ms to enter config Mode
0x1BB	New receive ID				New send ID				To set New IDs
0x2BB	0 = standard 11 bit ID, 1 = extended 29 bit ID	0 = 125 kBit, 1 = 250 kBit 2 = 500 kBit	heartbeat in 10ms	Pressure in kPa for OUT1	Pressure in kPa for OUT2	Window in kPa for OUT 1	Window in kPa for OUT 2	1)	
0x2BB B7: 0xYZ → Y = OUT1, Z = OUT2.		0 = OUTx is on if pressure higher than the Window 1 = OUTx is on if pressure is within the Window 2 = OUTx is on if pressure is lower than the Window 3 = OUTx is on if pressur is outside the Window							

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