

Overview CAN Sensors

CAN bus pressure sensor DS-CAN-01

Characteristics

Type of measurement	Relative pressure against ambient pressure
CAN Protocol	CANopen 2.0A
Physical Layer	according to DIN 11898
Sample rate	from 5 ms
Resolution	10 bit

Measuring element & parameters

Pressure ranges	-1...2 bar (Si) 2...4.000 bar
Accuracy	Class 0.5 at RT
Total error	< 1.5% FS (-10...+80 °C)
Operating voltage	12...27 VDC ± 20%
Operating temperature	-10...+80 °C



CAN bus climate sensor KS-CAN-03

Characteristics

Type of measurement	rH: capacitive T: semiconductor
CAN Protocol	CANopen 2.0A
Physical Layer	according to DIN 11898
Sample rate	from 5 ms
Resolution	12 bit

Measuring element & parameters

Measuring ranges	-40...+80 °C 0...100 % relative humidity
Accuracy	± 0.5 K (5...+40 °C) ± 2 % (10...90 % rH)
Operating voltage	10...48 VDC
Operating temperature	-40...+80 °C



CAN bus temperature sensor TSR-CAN-03

Characteristics

Design	Stainless steel (media compatible)
CAN Protocol	CANopen 2.0A
Physical Layer	according to DIN 11898
Sample rate	from 5 ms
Resolution	10 bit

Measuring element & parameters

Measuring ranges	-40...+80 °C -40...+150 °C (optionally)
Accuracy	± 0.3 K (-40...+80 °C)
Operating voltage	12...27 VDC ± 20%
Operating temperature	-40...+80 °C
Further information	Adjustment measuring tip



CAN bus temperature sensor TSL-CAN-03

Characteristics

Design	Rod sensor Measuring air temperature
CAN Protocol	CANopen 2.0A
Physical Layer	according to DIN 11898
Sample rate	from 5 ms
Resolution	0.1 K

Measuring element & parameters

Measuring range	-40...+80 °C
Accuracy	± 0.3 K (10...+80 °C)
Operating voltage	10...48 VDC
Operating temperature	-40...+80 °C
Minimum air velocity across the sensor	1.5 m/s



Technical modifications reserved

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