SUCO - 0630/0631 PRESSURE SENSOR

CANopen/CAN J1939 Series

063110241B032
CAN J1939, 0..100Bar, G¼, M12

- Type 0630: CANopen protocol according to CiA DS-301, Device profile according to CiA DS-404
- Type 0631: CAN J1939 protocol according to SAE J1939
- 14 Standard pressure ranges from 0..1 bar up to 0..600 bar
- M12 electrical connector

Product description

Initially developed for automotive purposes CAN is a serial bus protocol which allows components such as sensors to communicate over a single or dual wired network to a vehicles system. This vastly reduces the amount of cable used, wiring time and connections used in standard wiring looms whilst still communicating data at high speeds.

Housed in a robust stainless steel case this sensor meets the high demands of harsh environments whilst still offering excellent accuracy and reliability. Pressure ranges start from 0..1 bar and go all the way up to 0..600 bar covering most application requirements.

Wide range of applications such as agricultural, rail, off-highway and construction vehicles etc.

Specifications

Accuracy	±0.5% FS
Burst Pressure	300
Connection Thread	G1/4-E
Electrical connection	M12x1
IP Class	IP67
Lifespan Mechanical	10 Million cycles
Long-Term Stability	<±0.1% of full scale per year
Material of body	Stainless Steel 1.4301
Materials Wetted Parts	Stainless steel 1.4542
Overpressure protection	200 Bar
Pressure Range Max	100

Pressure Range Min	0
Pressure reference	Gauge
Pressure rise	≤ 1 bar/ms
Repeatability & Reproducibility	±0.1% FS
Response Time	1
Shock Resistance	1000g according to IEC68-2-32
Signal type	CAN J1939, CAN 2.0 B
Supply Voltage DC Max	32
Supply Voltage DC Min	10
Temperature ambient from	-40
Temperature ambient to	105
Temperature error	1.5% FS
Temperature range of media from	-40
Temperature range of media to	100
Weight	90
Vibration Resistance	20g according to IEC 68-2-6 and IEC 68-2-36