

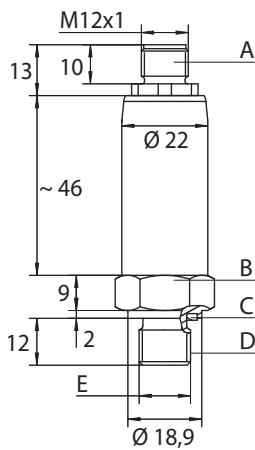


HySense PR 126

5 pole device connector, M12 x 1



Dimensions

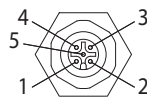


- A 5 pole device connector, M12 x 1
- B SW 22
- C Profile seal ring acc. to DIN 3869, FKM
- D Restrictor insert Ø 0.6
- E ISO 228 G 1/4 A

Qualities

Measuring principle	piezo-resistive (poly-crystalline silicon thin film structure on high-grade steel membrane)
Pressure type	relative pressure
Output signal	CANopen
Electrical measuring connector	5 pole device connector, M12 x 1
Mechanical connection thread	ISO 228 – G 1/4 A
Sealing material	profile seal ring acc. to DIN 3869, FKM
Protection type (EN 60529 / IEC 529)	IP 67 (with screwed connector)
Casing material	non-corrosive high-grade steel
Membrane material	non-corrosive high-grade steel
Tightening torque	40 Nm (± 5 Nm)
Weight	~ 100 g
CAN bus	LSS slave function
Baud rate	10 ... 500 kBaud (settable)
CAN interface	acc. to DIN 11898

Pin assignment



Pin assignment	CANopen
1	CAN_SHLD
2	CAN_V+
3	CAN_GND
4	CAN_H
5	CAN_L

Measuring range		Order number
bar	MPa	CANopen
0 ... 100	0 ... 10	3403-16-D2.60
0 ... 400	0 ... 40	3403-15-D2.60
0 ... 600	0 ... 60	3403-18-D2.60

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Technical data	PR 126
Overload range	2 x nominal pressure
Burst pressure	3 x nominal pressure
Signal type	CANopen, digital
Supply voltage U_b	12 ... 27 VDC
Current consumption	10 ... 30 mA, depends on CAN bus load
Overvoltage protection	± 40 VDC
Error limit (of final value)	comprises the influences non-linearity, hysteresis, repeatability, zero-point- and span error
... at +22 °C (room temperature)	± 0.5 %
... at -15 ... +85°C	± 0.5 %
... at +85 ... +100°C	± 1.0 %
... at -40 ... -15°C	± 1.0 %
Compensation temperature range	-15 ... +85 °C
Non-linearity	$< \pm 0.2$ % of final value
Reproducibility	$< \pm 0.1$ % of final value
Hysteresis	$< \pm 0.1$ % of final value
Long-term stability	$< \pm 0.1$ % of final value/year
Response time	≤ 1 ms (0 ... 90 %)
Frequency range	≤ 1 kHz
Isolation resistance	> 100 M Ω
Number of load cycles	1×10^7
Medium temperature	-40 ... +105 °C
Environmental temperature	-40 ... +105 °C
Storage temperature	-40 ... +125 °C
EMV test	EN 50081-2 and EN 50082-2
Vibrational stability	IEC 68-2-6 and IEC 68-2-36, 20 g
Mounting orientation	arbitrary