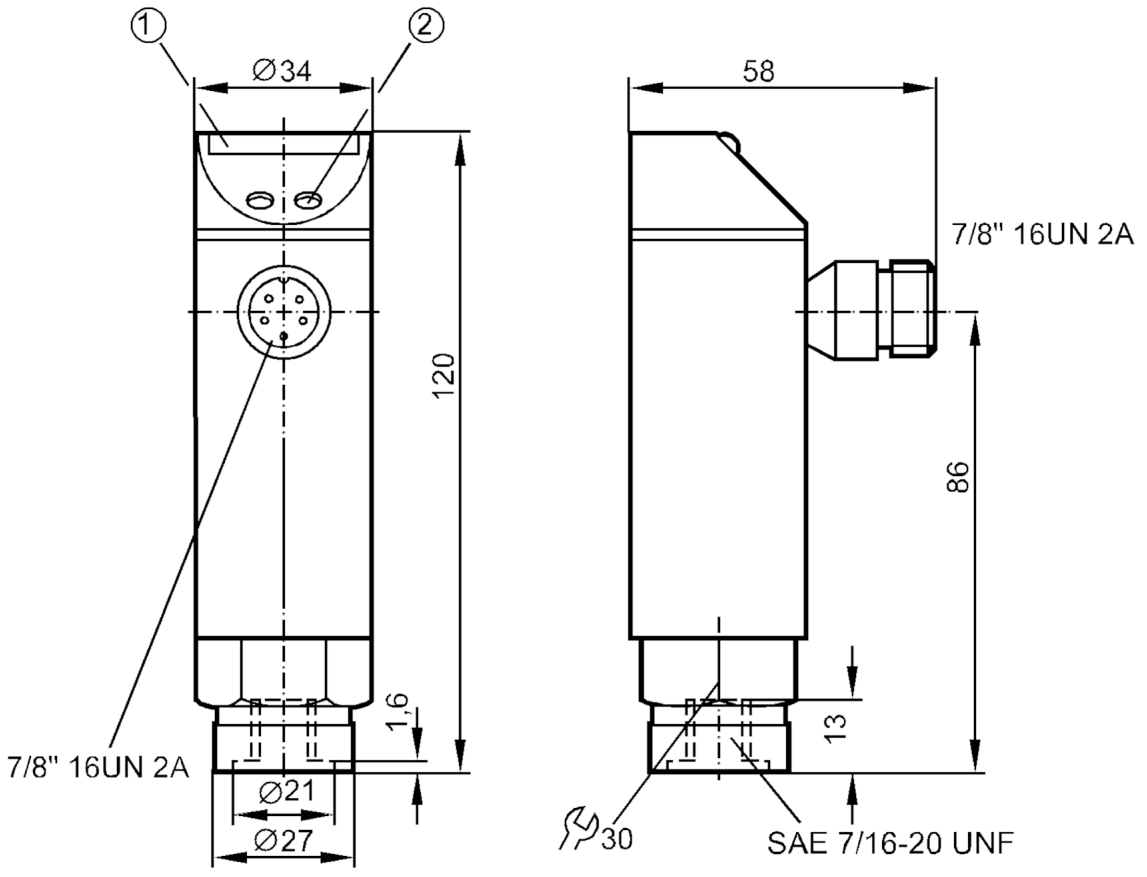
PB4313

Pressure sensor with LED bar display

PB-040PSBU76-HFBOW/LS/ /V

Article no longer available - archive entry



1 LED bar display
2 programming button

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Measuring range	[psi]	0...400
Process connection		threaded connection 7/16" - 20 UNF internal thread
Application		
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...70
Min. bursting pressure	[psi]	5075
Pressure rating	[psi]	1500
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	102...132 AC
Current consumption	[mA]	20
Protection class		I
Power-on delay time	[s]	0.35

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Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal
Number of digital outputs		1
Output function		normally open
Max. voltage drop switching output AC	[V]	2
Permanent current rating of switching output AC	[mA]	250; ((...70 °C) 1000 (...60 °C) 1500 (...45 °C) 2500 (...20 °C))
Switching frequency AC	[Hz]	10
Short-circuit protection		no
Overload protection		no
Measuring/setting range		
Measuring range	[psi]	0...400
Set point SP	[psi]	20...400
Reset point rP	[psi]	12...392
In steps of	[psi]	4
Note on hysteresis		adjustable
Accuracy / deviations		
Switch point accuracy [% of the final value]		< ± 2,0
Repeatability [% of the final value]		< ± 0,25; (with temperature fluctuations < 10 K)
Temperature drift per 10 K		< ± 0.3
Software / programming		
Adjustment of the switch point		programming button
Operating conditions		
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-40...100
Protection		IP 65
Tests / approvals		
EMC	IEC 801/2 ESD	4 kV CD / 8 kV AD
	IEC 801/3 HF	10 V/m
	IEC 801/4 Burst	2 kV
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
Mechanical data		
Materials		EPDM/X; FKM; NBR; PBT; PC; stainless steel (1.4301 / 304)
Materials (wetted parts)		FKM; ceramics; stainless steel (1.4305 / 303)
Min. pressure cycles		100 million
Process connection		threaded connection 7/16" - 20 UNF internal thread

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Displays / operating elements		
Display	switching status	LED, yellow
	measured values	10 x LED, green Resolution 10% of the final value

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x 7/8"; coding: A



Connection

