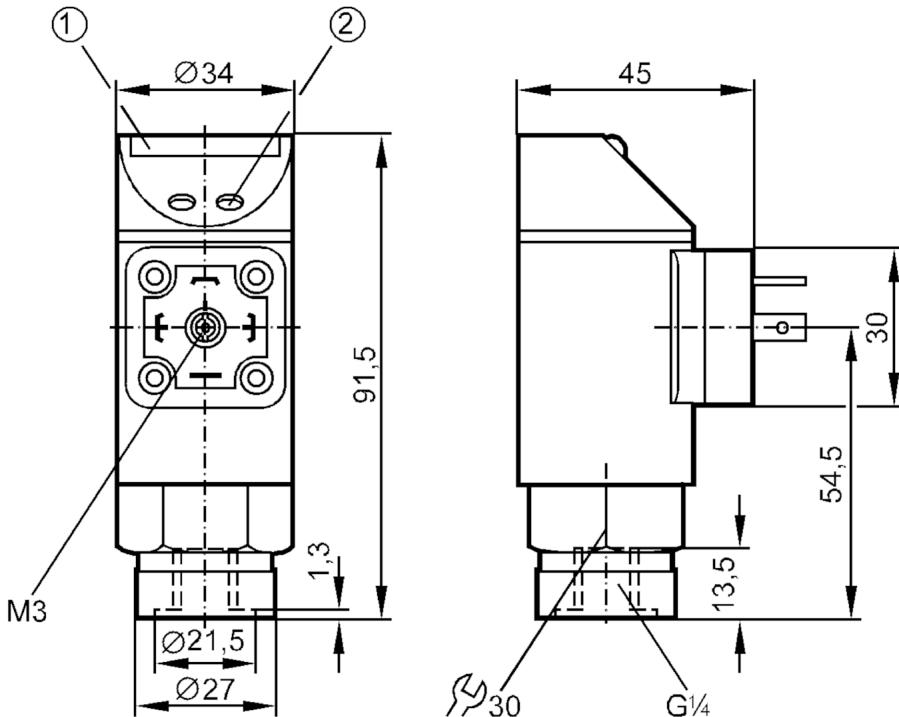


**Pressure sensor with LED bar display**

PB-001-RBR14-FFPKG/SS/ /V

Article no longer available - archive entry



- 1 LED display  
2 Programming button

**CE****Product characteristics**

Number of inputs and outputs	Number of digital outputs: 1
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Measuring range [bar]	0...1
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Process connection	threaded connection G 1/4 Internal thread
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**Application**

Application	for industrial applications
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Media	liquids and gases
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Medium temperature [°C]	-25...80
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Min. bursting pressure [bar]	30
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Pressure rating [bar]	10
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Type of pressure	relative pressure
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**Electrical data**

Operating voltage [V]	18...30 DC
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Current consumption [mA]	< 50
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Min. insulation resistance [MΩ]	100; (500 V DC)
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Protection class	III
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# PB6007



## Pressure sensor with LED bar display

PB-001-RBR14-FFPKG/SS / IV

Reverse polarity protection		yes
Power-on delay time	[s]	0.2
Integrated watchdog		yes
<b>Inputs / outputs</b>		
Number of inputs and outputs	Number of digital outputs: 1	
<b>Outputs</b>		
Total number of outputs		1
Output signal	switching signal	
Electrical design	PNP	
Number of digital outputs		1
Output function	normally open / closed; (configurable)	
Max. voltage drop switching output DC	[V]	2
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	5
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
<b>Measuring/setting range</b>		
Measuring range	[bar]	0...1
Set point SP	[bar]	0.05...1
Reset point rP	[bar]	0.03...0.98
In steps of	[bar]	0.01
<b>Accuracy / deviations</b>		
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
<b>Software / programming</b>		
Adjustment of the switch point		Programming button
<b>Operating conditions</b>		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-40...100
Protection		IP 65
<b>Tests / approvals</b>		
EMC	EN 61000-4-2 ESD EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted	4 kV CD / 8 kV AD 10 V/m 2 kV 10 V
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)

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## Pressure sensor with LED bar display

PB-001-RBR14-FFPKG/SS/ /V

### Mechanical data

Material	EPDM/X; FKM; NBR; PA; PBT; PC; PTFE; stainless steel (1.4301 / 304)
Materials (wetted parts)	FKM; ceramics; stainless steel (1.4305 / 303)
Min. pressure cycles	100 million
Process connection	threaded connection G 1/4 Internal thread

### 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.
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### Electrical connection

Connector: 1 x valve type A DIN (DIN EN 175301-803)

