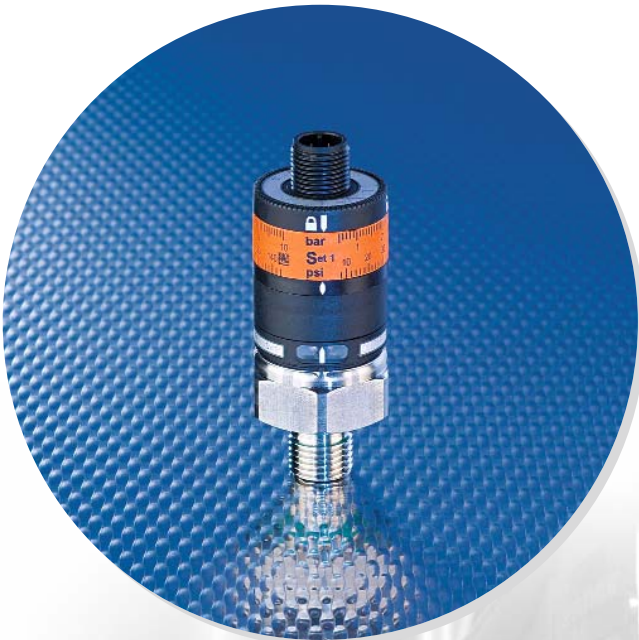




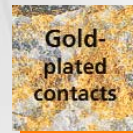
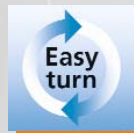
Ingeniously simple: The innovative pressure sensor generation PK.

Fluid sensors and diagnostic systems



Pressure sensors of the PK series – now also with 1 switching output.

- One NO switching output with fixed hysteresis (2 %).
- Mechanical locking prevents inadvertent switch point manipulation.
- Easy switch point setting via setting ring with optimum readability.
- Stainless steel measuring cell without separate seal.
- For use in refrigerating technology, hydraulic and pneumatic applications.



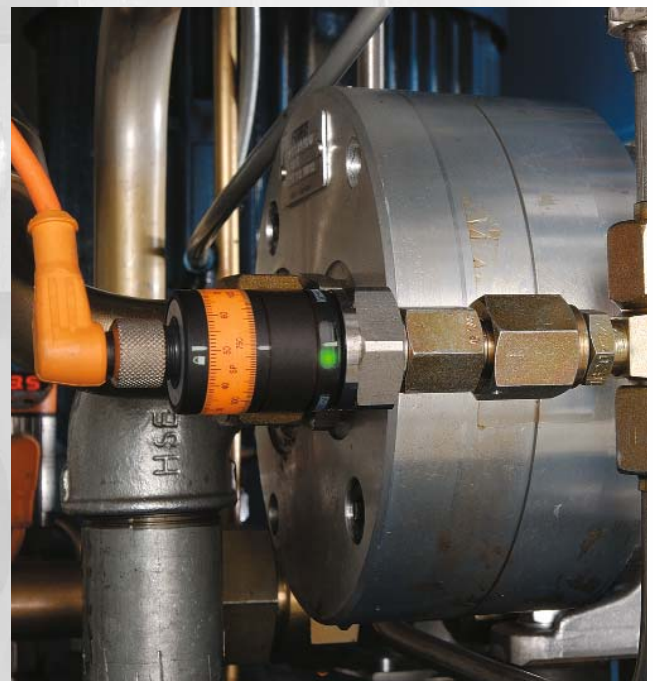
Another version of the PK series

The pressure sensors of the PK series are now also available with only one switching output. This output is rated as NO with 2 % hysteresis. In addition to hydraulic and pneumatic applications they are suitable for use in applications where gas pressures up to 400 bar may arise.

The easy operating concept

The ease of handling is fascinating: Due to the radial setting rings with a unit scale for optimum readability, every user can adjust the set point quickly and precisely even without pressure being applied. Due to the possible mechanical locking inadvertent manipulation is excluded.

Two clearly visible LEDs indicating the switching status and readiness for operation provide the required transparency.



fluid sensors
and diagnostic
systems

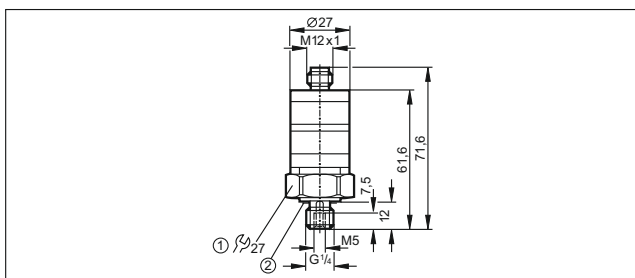
position
sensors
and object
recognition

bus,
identification
and control systems

Stainless steel measuring cell welded without any seal
Process connection G 1/4 male, M5 female

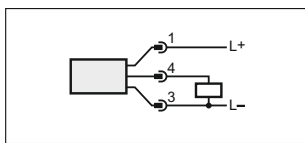
Measuring range Relative pressure [bar]	P _{overload} max. [bar]	P _{bursting} min. [bar]	Setpoint SP [bar]	Hysteresis fixed [bar]	Order no.
2-wire connection technology					
0...400	600	1600	12...400	8	PK5520
0...250	400	1000	7.5...250	5	PK5521
0...100	200	1000	3...100	2	PK5522
0...25	60	500	0.75...25	0.5	PK5523
0...10	25	300	0.5...10	0.2	PK5524

Dimensions






- 1) tightening torque 25 Nm
- 2) FPM seal / DIN 3869-14

Wiring diagram




Accessories

Type	Description	Order no.
	Protective cover for pressure sensors type PK, transparent plastic	E30094
	Damping screw for pressure sensors type PK	E30057
	Flange adapters G 1/4 for pressure sensors Type PK, stainless steel, O-ring: NBR	E30063

Common technical data

Type of pressure: relative pressure Liquids and gases		
Operating voltage	[V DC]	9.6 ... 32
Current rating	[mA]	500
Short-circuit protection, pulsed		•
Reverse polarity protection		•
Voltage drop	[V]	< 2
Current consumption	[mA]	< 25
Accuracy / deviation (in % of the span)		
Switch point accuracy		< ± 2.5
Deviation of the characteristics		< ± 1.5 (BFSL) < ± 2.5 (LS)
Repeatability		< ± 0.5
Repeatability		
Temperature influence in the temperature range 0...80 °C (in % of the span per 10 K)		
		0.5
Switching frequency	[Hz]	100
Medium temperature	[°C]	-25...80
Protection		IP 67
Housing materials		PBT (Pocan), PC (Makrolon), FPM (Viton), high-grade stainless steel (316S12)
Materials (wetted parts)		high-grade stainless steel (316S12), FPM (Viton)

Connectors and splitter boxes

Type	Description	Order no.
	M12 socket, 2 m black, PUR cable	EVC001
	M12 socket, 5 m black, PUR cable	EVC002

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