

PROXIMITY SENSORS

For Electric or Pneumatic Actuators Always a signal in advance!

P8S Series magnetic cylinder sensor enables quick, precise and contactless sensing of the piston's position in cylinders. It is easy to mount, can be used in numerous applications and offers an outstanding price-performance ratio.

Customer Value Proposition:

A sensor for a wide variety of applications:

The design of the sensor fits in all standard T-slots around the world, regardless of the cylinder profile or brand. Time saving installation with direct straight-in design.

Simple mounting: Thanks to the retaining ribs on the rear body side, the sensor holds its position even before the screw is tightened, ensuring that it does not fall out.

Quick installation: The sensor is quickly secured in the slot with just a single quarter turn of the fixing eccentric screw made in stainless steel.

The rugged fixing screw holds the sensor in the desired position, even when subjected to shocks and vibrations.

Easy sensor replacement: In case of service without removing the end caps of the cylinder.

Product Features:

- Can be used in all common profile cylinders using a T-slot - and with the help of adapters - in round cylinders, tie-rod cylinders and any cylinders with dovetail grooves.
- Quick drop-in mounting instead of turn-in or slide-in.
- The screw is attached to the housing so it can't get lost.
- Retaining ribs on each side for one hand mounting - the sensor does not fall out the slot during installation.

Technical Data

- Electronic PNP, NPN or electric Reed output.
- Normally closed or open function.
- 2 or 3 wires, 0.3, 3 or 10 meters length.
- LED for indicating the output state.
- Enclosure rating IP 67.
- Supply voltage up to 230 V.
- According to EN 60947-5-2, CE, C UL US, RoHs, Ex, IEC Ex.
- M8R knurled nut connector or flying leads.



Proximity Sensors - Ordering data

Output, Function, Cable & Supply Voltage	Order Code	Order Code 2	Order Code 3
With flying leads, PUR cable IP67	0,3 metre	3 metre	10 metre
Electronic PNP-NC, with LED, 3-wire, 10-30 V DC	N/A	P8SAGQFAX	P8SAGQFDX
Electronic PNP-NO, with LED, 3-wire, 10-30 V DC	N/A	P8SAGPFAX	P8SAGPFDX
Electronic NPN-NC, with LED, 3-wire, 10-30 V DC	N/A	P8SAGMFAX	P8SAGMFDX
Electronic NPN-NO, with LED, 3-wire, 10-30 V DC	N/A	P8SAGNFAX	P8SAGNFDX
Electric Reed-NO, with LED, 3-wire, 5-30 V AC/DC	N/A	P8SAGSFAX	P8SAGSFDX
Electric Reed-NO, with LED, 2-wire, 5-30 V AC/DC	N/A	P8SAGRFAFAX	N/A
Electric Reed-NO, with LED, 2-wire, 5-230 V AC/DC	N/A	N/A	P8SAGRFDX2
Electric Reed-NC, No LED, 2-wire, 5-120 V AC/DC	N/A	N/A	P8SAGEFRX1
Electric Reed-NC, No LED, 2 wire, 5-30V AC/DC	N/A	N/A	P8SSAGEFRX
<i>Weight: 35 g 3 metre, 105 g 10 metre</i>			
With flying leads, PVC cable IP67	0,3 metre	3 metre	10 metre
Electric Reed-NO, with LED, 3-wire, 5-30 V AC/DC	N/A	P8SAGSFLX	N/A
Electric Reed-NO, with LED, 2-wire, 5-120 V AC/DC	N/A	P8SAGRFLX1	N/A
Electric Reed-NO, with LED, 2-wire, 5-230 V AC/DC	N/A	P8SAGRFLX2	N/A
Electronic PNP-NC, with LED, 3-wire, 10-30 V DC	N/A	P8SAGQFLX	N/A
Electronic PNP-NO, with LED, 3-wire, 10-30 V DC	N/A	P8SAGPFLX	P8SAGPFTX
Electric Reed-NO, with LED, 2-wire, 5-120 V AC/DC	N/A	N/A	P8SAGRFTX1
Electric Reed-NO, with LED, 3-wire, 10-30 V AC/DC	N/A	N/A	P8SAGSFTX
<i>Weight: 35 g 3 metre, 105 g 10 metre</i>			
With M8 knurled screw, PUR cable IP67	0,3 metre	3 metre	10 metre
Electronic PNP-NC, with LED, 3-wire, 10-30 V DC	P8SAGQCHX	N/A	N/A
Electronic PNP-NO, with LED, 3-wire, 10-30 V DC	P8SAGPCHX	N/A	N/A
Electronic NPN-NC, with LED, 3-wire, 10-30 V DC	P8SAGMCHX	N/A	N/A
Electronic NPN-NO, with LED, 3-wire, 10-30 V DC	P8SAGNCHX	N/A	N/A
Electric Reed-NO, with LED, 3-wire, 5-30 V AC/DC	P8SAGSCHX	N/A	N/A
Electric Reed-NC, No LED, 2-wire, 5-30 V AC/DC	P8SAGECNX	N/A	N/A
Electric Reed-NO, with LED, 2-wire, 5-30 V AC/DC	P8SAGRCHX	N/A	N/A
<i>Weight: 15 g 0,3 metre</i>			
ATEX 3G, 3D, IP67	3 metre	5 metre	10 metre
Electronic PNP-NO, with LED, 3-wire, 10-26 V DC, PUR	P8SAGPFAXS	N/A	N/A
<i>Weight: 35 g 3 metre, 55g 5 metre, 105 g 10 metre</i>			
NAMUR 1G, 1D, IP67	3 metre	5 metre	10 metre
NAMUR-NO, with LED, 2-wire, 8,2-20 V DC, PVC	N/A	P8SAGDFMXW	P8SAGDFTXW
<i>Weight: 35 g 3 metre, 55g 5 metre, 105 g 10 metre</i>			

Drop in T-slot

PUR cable, M12 (IO-Link) or M8 (Analogue) male connector knurled nut, 4-pin	Order Code	Order Code
	0,3 metre	10 metre
Configuration		
Measuring length 32 mm	P8SAGACHA	P8SAGHMHA
Measuring length 64 mm	P8SAGACHB	P8SAGHMB
Measuring length 128 mm	P8SAGACHD	P8SAGHMD
Measuring length 192 mm	P8SAGACHF	P8SAGHMF
Measuring length 256 mm	P8SAGACHH	P8SAGHMH

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