

Proximity Sensors

For Electric or Pneumatic Actuators

Always a signal in advance!



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.



Contact Information:

Parker Hannifin Manufacturing
Germany GmbH & Co.KG
Industriestrasse 8
70794 Filderstadt (Germany)

www.parker.com/pde

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.



ENGINEERING YOUR SUCCESS.

Proximity Sensors

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.

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, IEC Ex.
- M8R knurled nut connector or flying leads.

Square body design, Insert straight in T-slot, screw 1/4 turn

With flying leads, PUR cable IP67	Order code	With M8R knurled screw, PUR cable IP67	Order code
Electronic PNP-NC, with LED, 3-wire, 3 meter, 10-30 V DC	P8SAGQFAX	Electronic PNP-NC, with LED, 3-wire, 0,3 meter, 10-30 V DC	P8SAGQCHX
Electronic PNP-NC, with LED, 3-wire, 10 meter, 10-30 V DC	P8SAGQFDX	Electronic PNP-NO, with LED, 3-wire, 0,3 meter, 10-30 V DC	P8SAGPCHX
Electronic PNP-NO, with LED, 3-wire, 3 meter, 10-30 V DC	P8SAGPFAX		
Electronic PNP-NO, with LED, 3-wire, 10 meter, 10-30 V DC	P8SAGPFDX	Electronic NPN-NC, with LED, 3-wire, 0,3 meter, 10-30 V DC	P8SAGMCHX
		Electronic NPN-NO, with LED, 3-wire, 0,3 meter, 10-30 V DC	P8SAGNCHX
Electronic NPN-NC, with LED, 3-wire, 3 meter, 10-30 V DC	P8SAGMFAX		
Electronic NPN-NC, with LED, 3-wire, 10 meter, 10-30 V DC	P8SAGMFDX	Electric Reed-NO, with LED, 3-wire, 0,3 meter, 5-30 V AC/DC	P8SAGSCHX
Electronic NPN-NO, with LED, 3-wire, 3 meter, 10-30 V DC	P8SAGNFAX		
Electronic NPN-NO, with LED, 3-wire, 10 meter, 10-30 V DC	P8SAGNFDX	Electric Reed-NC, No LED, 2-wire, 0,3 meter, 5-30 V AC/DC	P8SAGECNX
		Electric Reed-NO, with LED, 2-wire, 0,3 meter, 5-30 V AC/DC	P8SAGRCHX
Electric Reed-NO, with LED, 3-wire, 3 meter, 5-30 V AC/DC	P8SAGSFAX		
Electric Reed-NO, with LED, 3-wire, 10 meter, 5-30 V AC/DC	P8SAGSFDX	For ATEX	
Electric Reed-NO, with LED, 2-wire, 3 meter, 5-30 V AC/DC	P8SAGRFAFAX	Electronic PNP-NO, with LED, 3-w, 3 m, 10-26 V DC, 3GD, PUR	P8SAGPFAXS
Electric Reed-NO, with LED, 2-wire, 10 meter, 5-30 V AC/DC	P8SAGRFDX		
Electric Reed-NO, with LED, 2-wire, 3 meter, 5-230 V AC/DC	P8SAGRFAFX2	NAMUR-NO, with LED, 2-wire, 5 meter, 8,2-20 V DC, 1GD, PVC	P8SAGDFMXW*
Electric Reed-NO, with LED, 2-wire, 10 meter, 5-230 V AC/DC	P8SAGRFDX2	NAMUR-NO, with LED, 2-wire, 10 meter, 8,2-20 V DC, 1GD, PVC	P8SAGDFTXW*
Electric Reed-NC, No LED, 2-wire, 3 meter, 5-120 V AC/DC	P8SAGEFFX1	Continuous Position Sensor CPS P8S Series	
Electric Reed-NC, No LED, 2-wire, 10 meter, 5-120 V AC/DC	P8SAGEFRX1	<ul style="list-style-type: none"> • Analog or IO-Link function Continuous transfer of position data upgrades the functionality of the pneumatic actuator by making it more intelligent and versatile in support of the Industry 4.0 initiative. Refer to the brochure PDE2815SL.	
With flying leads, PVC cable IP67			
Electric Reed-NO, with LED, 3-wire, 3 meter, 5-30 V AC/DC	P8SAGSFLX		
Electric Reed-NO, with LED, 2-wire, 3 meter, 5-120 V AC/DC	P8SAGRFLX1		
Electric Reed-NO, with LED, 2-wire, 3 meter, 10-230 V AC/DC	P8SAGRFLX2		
Electronic PNP-NC, with LED, 3-wire, 3 meter, 10-30 V DC	P8SAGQFLX		
Electronic PNP-NO, with LED, 3-wire, 3 meter, 10-30 V DC	P8SAGPFLX		

Note: -30 to +80 °C (PUR cable) | -30 to + 70 °C (PVC cable) | -25 to +80 °C (NAMUR 1GD) | -20 to +50 °C (ATEX 3GD)
All sensors are with an adaptor for S-dovetail Parker type OSP grooves. * with an aluminium adaptor.

