

Features

- Compatible with all standard T-slot profiles used internationally, no matter the cylinder type or producer
- Fits seamlessly into standard cylinders and linear slides with T-slot design
- Adapters allow installation on round rod, tie-rod, profile, and dovetail groove cylinders
- Retaining ribs on the side allow for effortless installation
- Designed for smooth insertion into standard slots
- Can be fastened using either an Allen key or a flathead screwdriver
- LED for indicating the output state

RS PRO magnetic cylinder sensor with reed contact for T-Slot cylinders

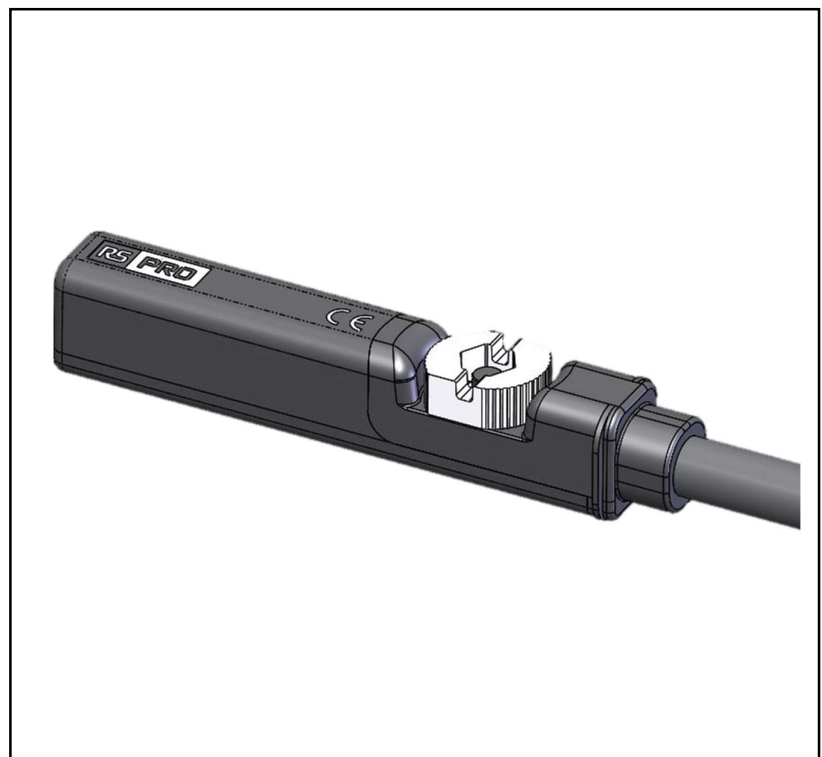
RS Stock No.: 0630922

RS Stock No.: 0630921

RS Stock No.: 0630920

RS Stock No.: 0630918

RS Stock No.: 0630919



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The RS PRO magnetic cylinder sensor offers reliable, non-contact piston position detection in compact pneumatic cylinders. It features simple installation, broad application flexibility, and a highly competitive cost-performance balance.

The Application Areas:

Assembly and handling machines, packaging machines and electronics production: The RSPRO magnetic cylinder sensor is a highly versatile solution, compatible with a wide variety of cylinder types and suitable for numerous applications. Its universal design means a single sensor version can cover many needs.

General Specifications

Series	Magnetic Cylinder sensor with Reed contact				
Cylinder type	T-slot				
Cylinder types with adapter	Profile cylinder, Tie rod cylinder, round body cylinder, Dovetail groove cylinder, SMC rail CDQ2, SMC rail ECDQ2				
RS Stock No.	0630918	0630919	0630920	0630921	0630922
Housing length	29.5mm / 32.5 mm				
Switching output	Reed				
Output Type	NO				
Switching frequency	400 Hz				
Connection type	Cable, 2-wire, 2 m	0.3m cable + M8, PUR	Cable, 3-wire, 2 m	0.3m cable + M8, PUR	
Electrical wiring	AC/DC 2-wire			AC/DC 3-wire	
Enclosure rating	IP65, IP67				

Electrical Specifications

RS Stock No.	0630918	0630919	0630920	0630921	0630922
Operating Supply Voltage, AC/DC	5 ... 30 V	5 ... 230 V	5 ... 30 V	5 ... 30 V	5 ... 30 V
Voltage drop	$\leq 3.5 \text{ V}$ ($\leq 0.1 \text{ V}$ for 0630921 and 0630922)				
Continuous current	$\leq 100 \text{ mA}$ ($\leq 500 \text{ mA DC}$, $\leq 300 \text{ mA AC}$ for 0630921 and 0630922)				
Ambient operating temperature	$-30 \text{ }^{\circ}\text{C}$... $+80 \text{ }^{\circ}\text{C}$				
Response sensitivity, typ.	3 mT				
Overrun distance, typ.	10mm				
Reproducibility	$\leq 0.1 \text{ mT}$				
Wiring technique	AC/DC 2-wire/3-wire				

Status indicator LED	YES
Teach in	No
EMC	According to EN 60947-5-2

»Supply voltage U_B and constant ambient temperature T_a .

Mechanical Specifications

Housing Material	Plastic			
Cable Material	PUR			
Dimension				
Width	4.8mm			
Length	29.5mm / 32.5 mm			
Depth	5.8mm			
Weight	28.0 g / 39.0 g	13.0 g	29.0 g	13.0 g
Shock and Vibration Resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm			

Safety-related parameters

MTTF _D	1,300 years
DC _{avg}	0 %
T _M (mission time)	20 years

Approvals

Compliance/Certifications/Declarations	EU declaration of conformity UK declaration of conformity ACMA declaration of conformity Moroccan declaration of conformity China-RoHS cULus certificate
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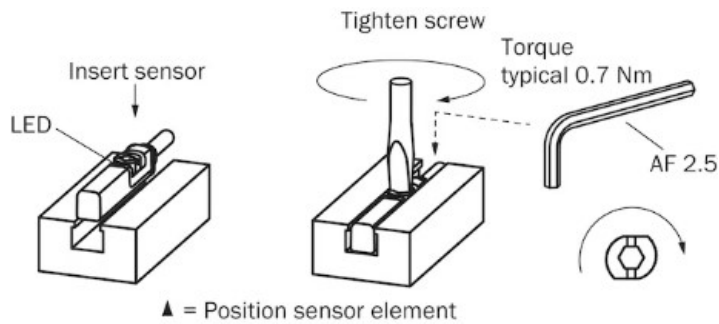
Similar Products

Stock No.	Brand	Sensor	Type	Connection
0630914	RSPRO	Cylinder sensor solid state	DC 3-wire PNP	2m cable, PUR
0630915	RSPRO	Cylinder sensor solid state	DC 3-wire PNP	0.3m cable + M8, PUR
0630915	RSPRO	Cylinder sensor solid state	DC 3-wire NPN	2m cable, PUR
0630916	RSPRO	Cylinder sensor solid state	DC 3-wire NPN	0.3m cable + M8, PUR

Accessories

Stock No.	Brand	Accessory	Type	Size
0630923F38	RSPRO	Adapters for round body cylinders	Round body	8...25mm diameter

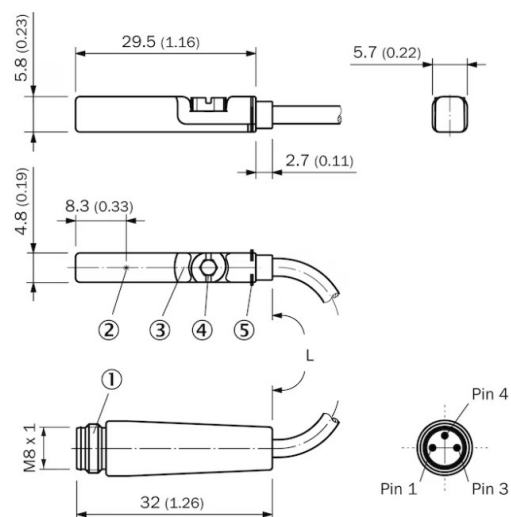
Installation Note



Dimensional Drawing

RS Stock No. 0630918
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RS Stock No. 0630920



RS Stock No. 0630921
RS Stock No. 0630922

