

Features

- Compatible with all standard C-slot profiles used internationally, no matter the cylinder type or producer
- Fits seamlessly into standard cylinders and linear slides with C-slot design
- Simple mounting:
Can be fastened using either an Allen key or a flathead screwdriver
- Designed for smooth insertion into standard slots
- LED for indicating the output state

RS PRO magnetic Cylinder sensors for C-slot cylinders

RS Stock No.: 0630925

RS Stock No.: 0630924

RS Stock No.: 0630927

RS Stock No.: 0630928



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 C-slot cylinder sensor offers a flexible and reliable way to detect piston positions in pneumatic actuators.

It is designed for direct installation into any cylinder with a standard C-slot.

The Application Areas:

Assembly and handling machines, packaging machines and electronics production:
The RS PRO 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 solid state contact			
Cylinder type	C-slot			
RS Stock No.	0630925	0630928	0630924	0630927
Housing length	23.7mm			
Switching output	PNP	NPN	PNP	NPN
Output Type	NO			
Switching frequency	1,000 Hz			
Connection type	Cable with connector M8, 3-pin, drag chain use, 0.3 m		Cable, 3-wire, stripped, 2 m	
Electrical wiring	DC 3-wire			
Enclosure rating	IP68		IP68/IP69K	

Electrical Specifications

Operating Supply Voltage	10 V DC ... 30 V DC
Power consumption	8 mA, without load
Voltage drop	≤ 2.5 V
Continuous current	≤ 100 mA
Ambient operating temperature	-30 °C ... +80 °C
Response sensitivity, typ.	2.2 mT
Overrun distance, typ.	4 mm

Hysteresis, typ.	< 0.8 mT
Reproducibility	$\leq 0.1 \text{ mT}^{\circ}$
Wiring technique	DC 3-wire
Short Circuit Overload Protection	YES
Reverse Polarity Protection	YES
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	2.9mm			
Length	23.7mm			
Depth	4.7mm			
Weight	11.0 g	10.0 g	20.0 g	20.0 g
Shock and Vibration Resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm			

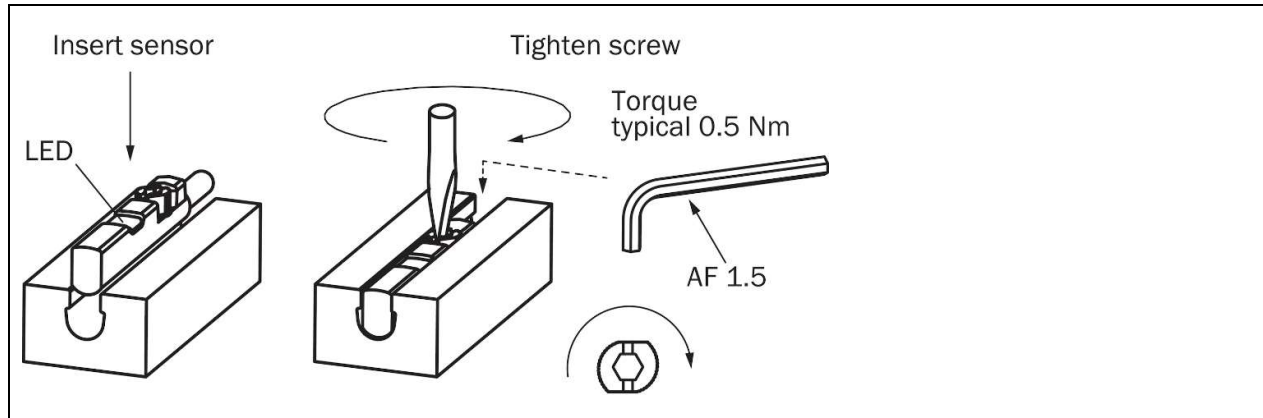
Safety-related parameters

MTTF _D	2461 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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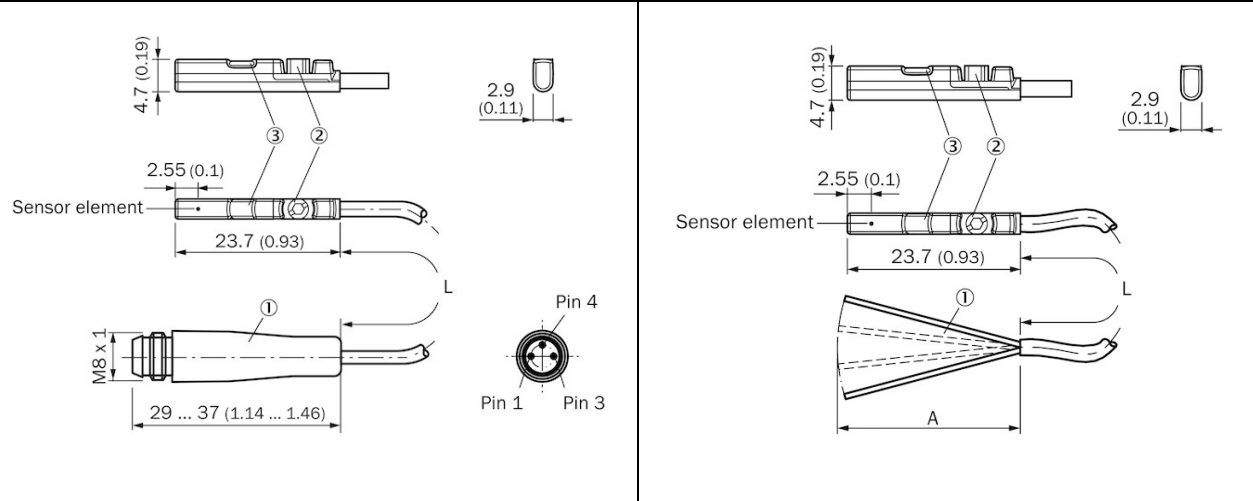
Installation Note



Dimensional Drawing

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Connection Diagram

