

# MAGNETIC SENSOR

## Series AM4

Cat No Cyl Acc - 01 - 01

### ACCESSORIES FOR MAGNETIC CYLINDERS Series A20, A23, A60, A63

## MAGNETIC SENSOR

### Features

- Integrated LED
- Moulded cable with flying lead and Quick Disconnect (QD) connector versions
- Direct mounting, simple installation
- Reed contact type & Solid state type versions



### Function

The pistons of these cylinders are equipped with a permanent magnet, which activates the cylinder switches when it approaches these. The switch in question then outputs an electrical or pneumatic signal.

### Technical Specifications

Switching logic	SPST Normally open		Solid State Output, Normally open	
Sensor type	2 Wire reed switch	3 Wire reed switch	PNP Current Sourcing	NPN Current Sinking
Operating voltage	5 - 220V AC / DC		10 - 30 V DC	
Switching current	100mA max			
Switching rating	10W max	3W max		
Current consumption	-	25 mA @ 24V max	14 mA @ 24V max	17 mA @ 24V max
Voltage drop	3.5V max	0.05V max	2V max	
Leakage current	-	0.01 mA max	0.01 mA max	
Colour of LED	Red	Yellow		Red
Cable	Ø3.3, 2C, PVC		Ø3.3, 3C, PVC	
Temperature range	- 10 ° to 70 ° C			
Shock	30 G		50 G	
Vibration	9 G			
Type of protection	IEC 529 IP 67			
Protection circuit	None		Power source reverse polarity; Surge suppression	

### Caution

1. Follow above specifications to ensure trouble free operation of sensors
2. Keep sensors away from stray magnetic field to prevent malfunctions.
3. For usage / installation instructions, please refer Instruction sheet **IS - AM4 - 01 - 01**

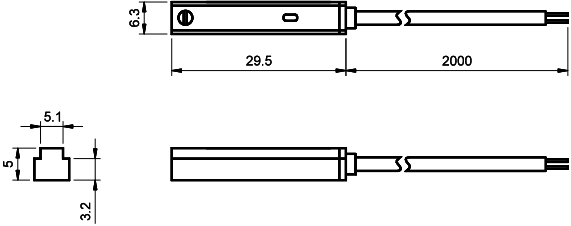
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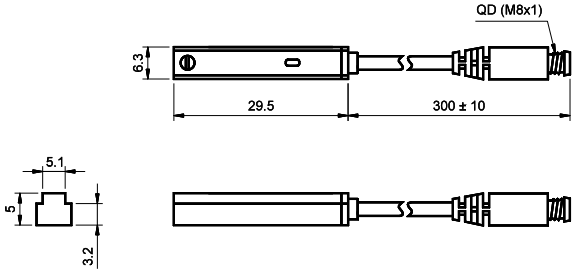
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### Fitting Dimensions

Magnetic sensor with flying lead

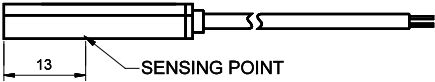


Magnetic sensor with QD connector

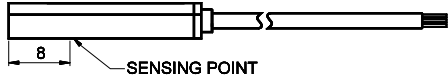


### Sensing distance

2 wire / 3 wire Reed switch

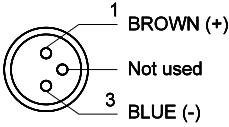


Solid state switch

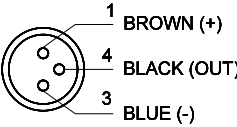


### Wiring of the QD connector

2 wire QD wiring



3 wire QD wiring



### How to order

AM40 —

Switch type
0 - Reed switch 2 wire type
1 - Reed switch 3 wire type
2 - Solid state type, current sourcing (PNP)
3 - Solid state type, current sinking (NPN)

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End connection
FL - 04 (Flying lead with 2 meter cable length)
QD - 02 (Quick disconnecter with 300 mm cable length)

Ordering example :- AM40 - 0 - FL - 04 (2 wire Reed switch with Flying lead of 2 meter cable length)

Subject to change