

MAGNETIC SENSOR

Series AM42

Cyl Acc AM42 - 01 - 01 - A

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

Connect diagram				
Characteristics				
Type	2 Wire	3 Wire	PNP	NPN
Switching logic	SPST Normally open		Solid State Output, Normally open	
Operating voltage	5 - 240V DC/AC	10 - 30V DC/AC	10 - 28V DC	
Switching current	100mA max	500mA max	200mA max	
Contact rating	10W max		5.5W max	
Current consumption	-	10 mA @ 24V max		
Voltage drop	3.0V max	0.1V @ 100mA max	1.5V max	
Leakage current	-		0.05mA max	
Indicator	Red LED	Yellow LED		Red LED
Cable	Ø2.8 PUR - 26 AWG (0.15 mm ²) - 2 Cores	Ø2.8 PUR - 26 AWG (0.15 mm ²) - 3 Cores		
Operating frequency	200 Hz		1000 Hz max	
Magnet Requirement	75 Gauss	65 Gauss	50 Gauss	
Temperature range	- 10° to 70° C			
Shock	30 G		50 G	
Vibration	9 G			
Protection circuit	1 = None		2 = Short circuit, 3 = Power source reverse polarity, 4 = Surge suppression.	
Classification	IEC 60529 IP67			

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

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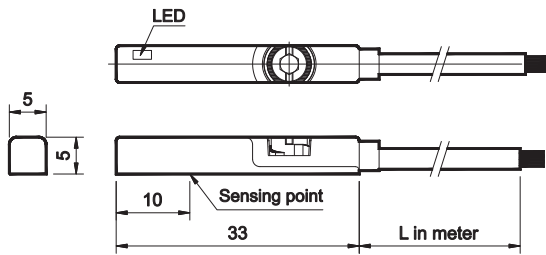
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Fitting Dimensions

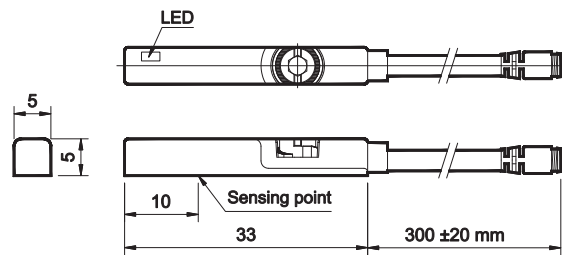
Magnetic sensor with flying lead

AM42-0-FL & AM42-1-FL - Series

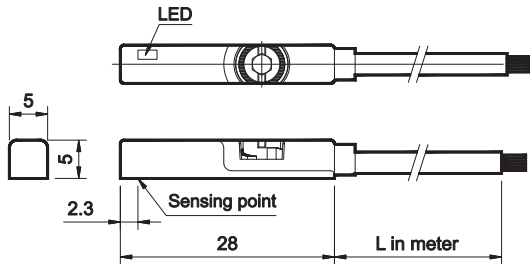


Magnetic sensor with QD connector

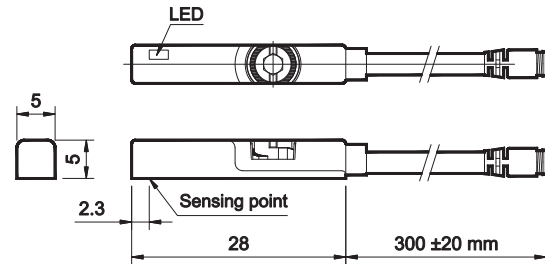
AM42-2-QD & AM42-3-QD - Series



AM42-2-FL & AM42-3-FL - Series

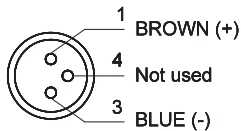


AM42-2-QD & AM42-3-QD - Series

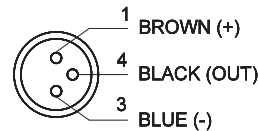


Wiring of the QD connector

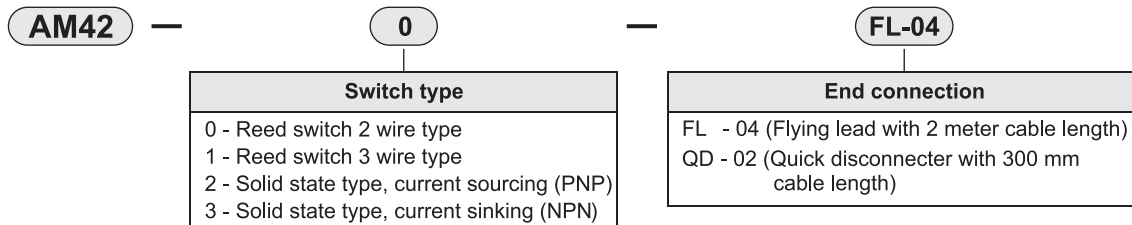
2 wire QD wiring



3 wire QD wiring



How to order



Ordering example :- **AM42-0-FL-04** (2 wire Reed switch with Flying lead of 2 meter cable length)