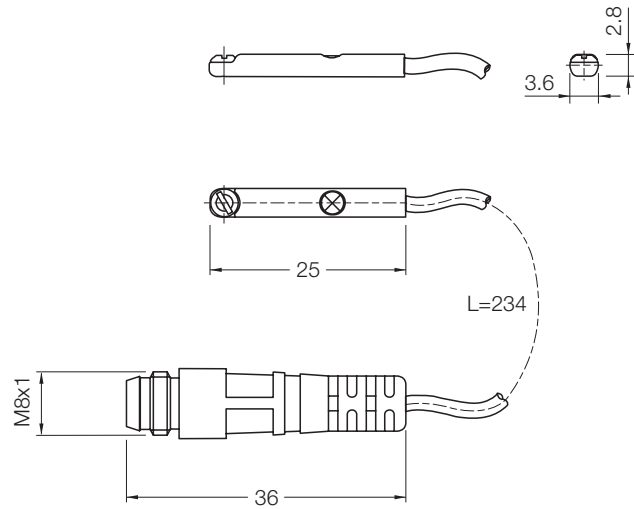


Magnetic cylinder sensor RZN1 series Reed AC/DC 3-wire, for roundslot cylinder

RZN1

Magnetic cylinder sensor



Features

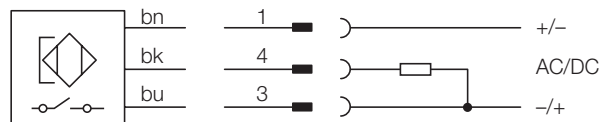


- ▶ Non-contact detection of piston position in pneumatic cylinders
- ▶ **Mountable from the top**
- ▶ For all common used round-slot cylinder e.g. Festo, SMC
- ▶ Plastic housing with clamping screw
- ▶ Connection cable or connector on cable
- ▶ Enclosure rating IP 67
- ▶ LED status indicator

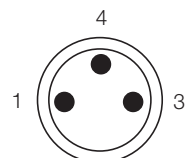
Accessories

Round connector

Connection diagram




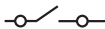


Wire colour	Contact	Assignment
bn brown	1	+ (-)
bk black	4	NO
bu blue	3	- (+)



Electrical and mechanical data

Operating voltage U_b	10 ... 30 V AC/DC	Enclosure rating to DIN 40050	IP 67
Max. switching power	10 W / VA	Shock and vibration stress	30 g, 11 ms 10 to 55 Hz, 1 mm
Continuous current I_a	≤ 500 mA DC/ ≤ 300 mA AC	Ambient temperature T_a	- 25 ... + 75 °C
Switching delay		Housing material	PA 12
ON	app. 1.0 ms	Connection cable 2 m	PUR 3x 0.09 mm ²
OUT	app. 0.5 ms	Connection cable with M8x1 mm	PUR
Hysteresis H typ.	< 0.7 mT		
Repeatability R	≤ 0.1 mm		
(U_b and T_a constant)			
EMC	to EN 60 947-5-2		

Selection table

Sensing face	Switching-output	Switching function	Connection frequency in Hz	Type	Order	number
	Reed		500	Cable 2 m	RZN1-05ZRS-KUO	1022055
	Reed		500	Cable w. M 8 x 1 mm	RZN1-05ZRS-KPO	1022056

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