



## Magnetic Cylinder Sensors Sensors for T-slot cylinders

RZT1-03ZRS-KR0



**Model Name** > [RZT1-03ZRS-KR0](#)  
**Part No.** > [1019698](#)



**At a glance**

- Compact housing design
- LED function indicator (normally open versions)
- IP 67 enclosure rating
- For all commonly used cylinders with T-slots, e.g., Festo or SMC and it can be applied to multiple cylinders types such as round, tie-rod, integrated profile or dove-tail cylinders with mounting brackets

**Your benefits**

- Drop-in T-slot mounting from above makes assembly easy
- Easy installation with Allen wrench
- Resistant to shock, vibration and liquids, enlarging sensor life time



**Features**

Output type:	Reed
Output function:	NO
Electrical wiring:	AC/DC 3-wire
Enclosure rating:	IP 67 <sup>1)</sup>
Sensing face:	Center
Cylinder types with adapter:	Profile cylinder Roundbody cylinder Dove-tail groove cylinder SMC rail cylinder CDQ2 (T-Slot) SMC rail cylinder ECDQ2 (T-Slot) Tie rod cylinder
Housing length:	30.5 mm
Switching frequency typ.:	400 Hz
Cylinder type:	T-slot

<sup>1)</sup> According to EN40050

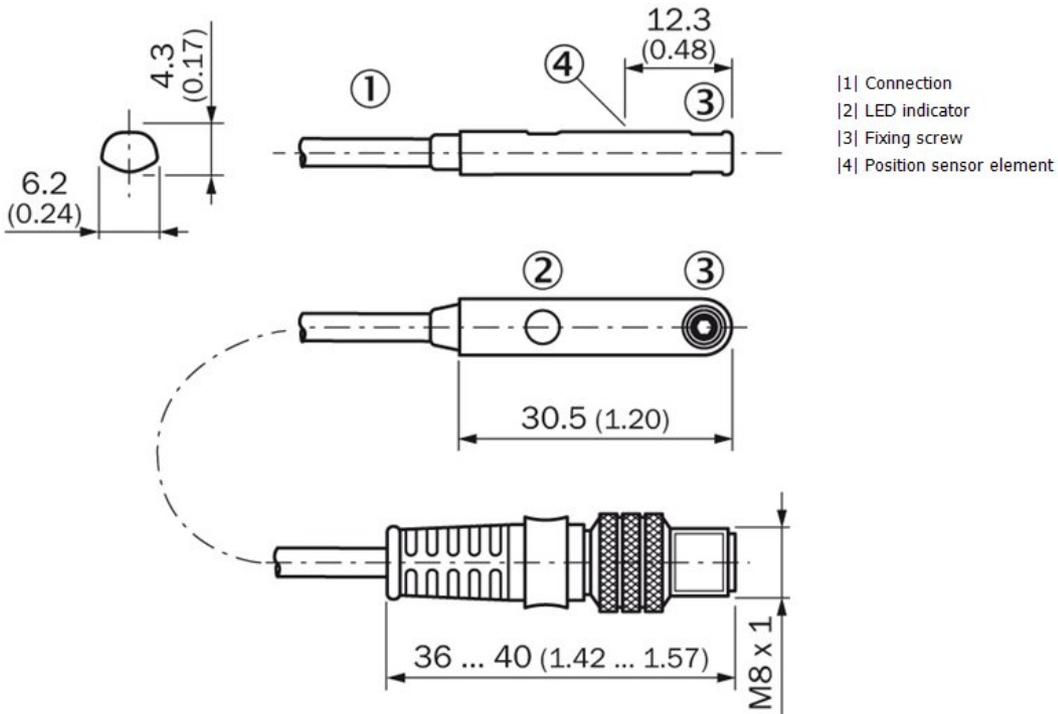
**Mechanics/electronics**

Connection type:	Cable with connector M8, 3-pin, with knurled nuts, 0.5 m
Supply voltage:	10 V DC ... 30 V AC/DC
Voltage drop:	≤ 0.1 V
Output current I <sub>a</sub> :	≤ 500 mA
Hysteresis:	≤ 1.5 mm
Repeatability:	≤ 0.2 mm <sup>1)</sup>
EMC:	According to EN 60947-5-2

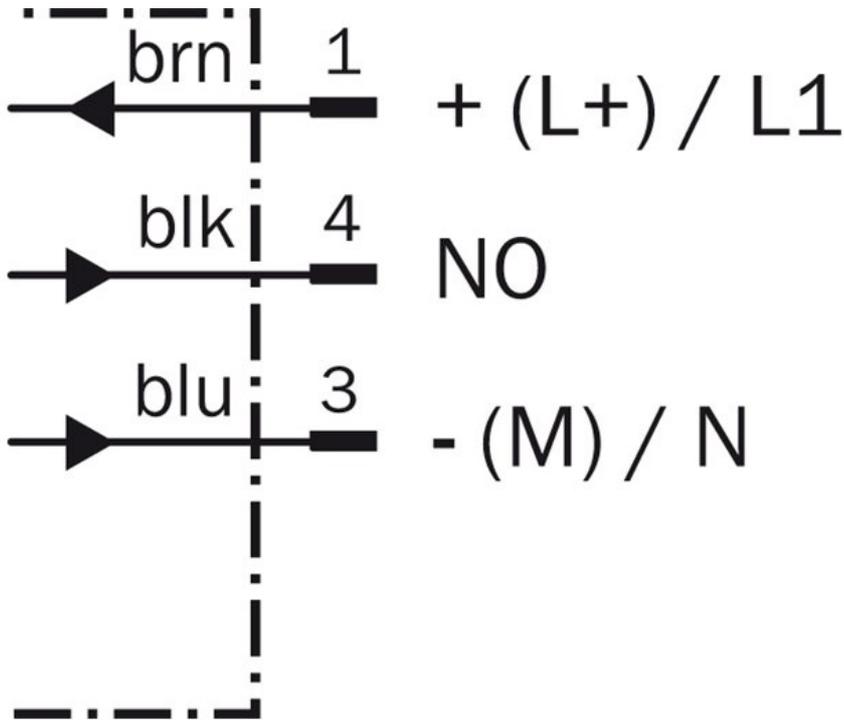
Cable material:	PUR
Short-circuit protection:	-
Housing material:	Plastic
Sensing face material:	Plastic
Ambient operating temperature:	-25 °C ... 75 °C
Thread size:	M8
Magnetic field sensitivity, min.:	≤ 3 mT
Output indicator:	✓
Shock/vibration:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Switching power:	6 W

1)  $U_b$  and  $T_a$  constant

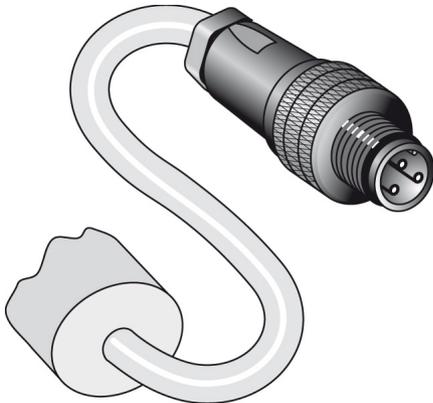
### Dimensional drawing



Connection diagram



Connection type



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