



Magnetic Cylinder Sensors Sensors for T-slot cylinders

RZT1-03ZRS-KW0



Model Name > **RZT1-03ZRS-KW0**
Part No. > **1016911**



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 ¹⁾
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

¹⁾ According to EN40050

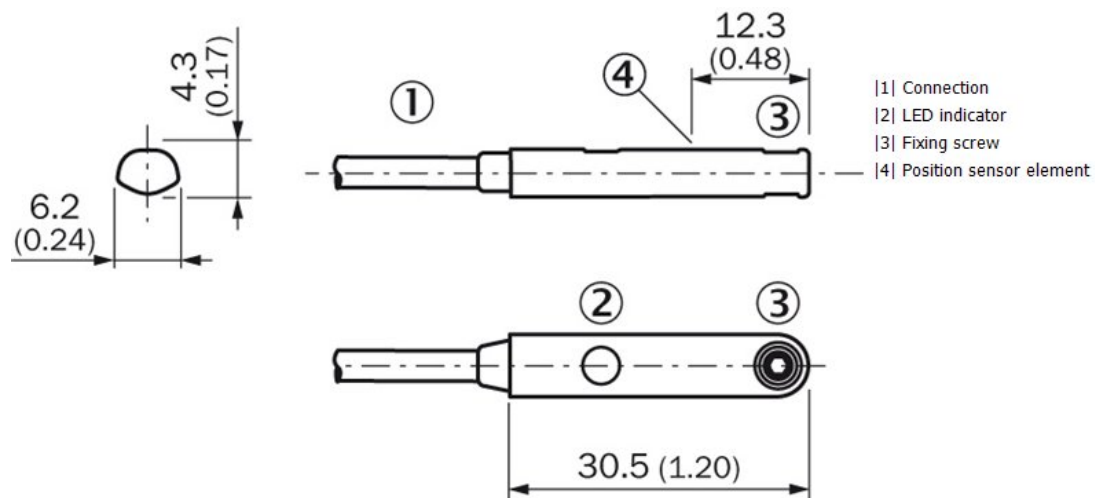
Mechanics/electronics

Connection type:	Cable, 3-wire, 2 m
Supply voltage:	10 V DC ... 30 V AC/DC
Voltage drop:	≤ 0.1 V
Output current I _a :	≤ 500 mA
Hysteresis:	≤ 1.5 mm
Repeatability:	≤ 0.2 mm ¹⁾
EMC:	According to EN 60947-5-2

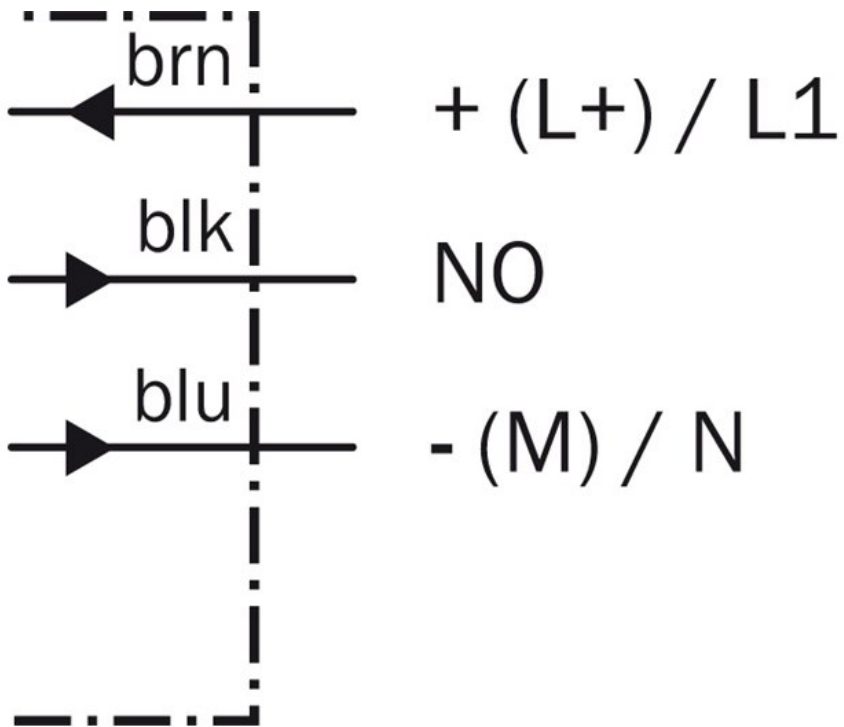
Cable material:	PVC
Conductor cross-section:	0.14 mm ²
Short-circuit protection:	-
Housing material:	Plastic
Sensing face material:	Plastic
Ambient operating temperature:	-25 °C ... 75 °C
Magnetic field sensitivity, min.:	≤ 3 mT
Output indicator:	✓
Shock/vibration:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Switching power:	6 W

¹⁾ Ub and Ta constant

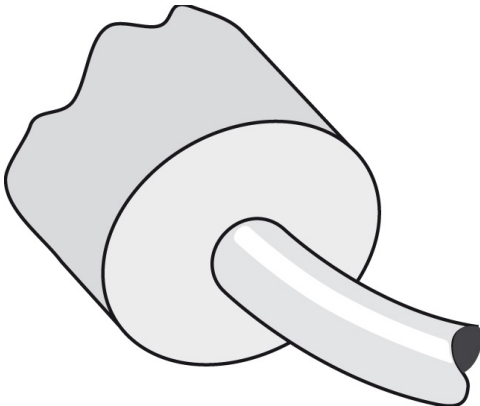
Dimensional drawing



Connection diagram



Connection type



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