



## Magnetic Cylinder Sensors Sensors for T-slot cylinders

RZT1-03ZUS-KW0



**Model Name** > [RZT1-03ZUS-KW0](#)  
**Part No.** > [1046001](#)



**At a glance**

- Compact housing design
- Complete range with Reed 3-wire, Reed 2-wire, and Reed 230 V version
- LED function indicator
- 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**

Switching frequency typ.:	± 400 Hz
Output type:	Reed
Output function:	NO
Electrical wiring:	AC/DC 2-wire
Cylinder type:	T-slot
Cylinder types with adapter:	Profile cylinder Roundbody cylinder SMC rail cylinder CDQ2 SMC rail cylinder ECDQ2 Tie rod cylinder Cylinders with dovetail slots
Housing length:	30.5 mm
Enclosure rating:	IP 67 <sup>1)</sup>

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

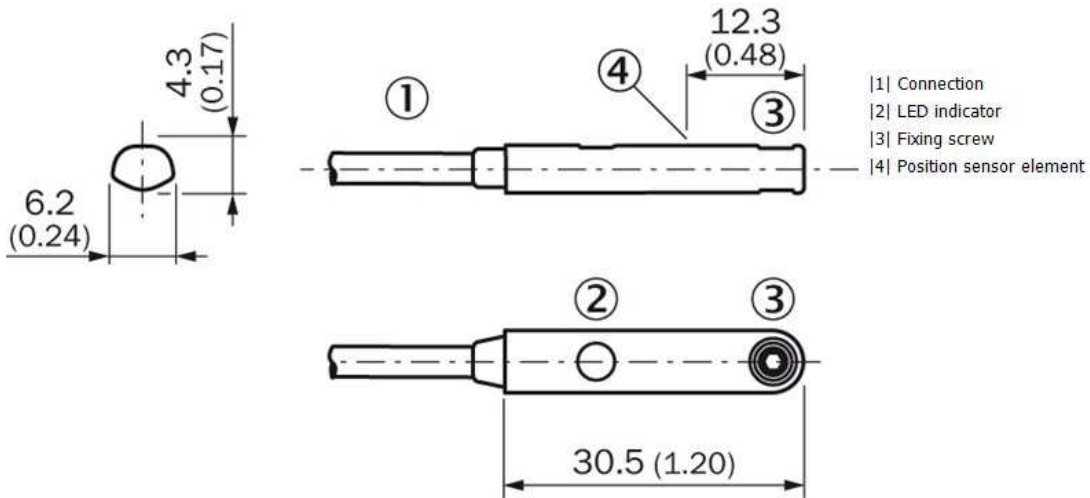
**Mechanics/electronics**

Connection type:	Cable, 2-wire, 2 m
Supply voltage:	10 V AC/DC ... 230 V AC/DC
Voltage drop:	≤ 3.5 V
Output current I <sub>a</sub> :	≤ 100 mA
EMC:	According to EN 60947-5-2
Cable material:	PVC
Conductor cross-section:	0.12 mm <sup>2</sup>
Short-circuit protection:	-

Housing material:	Plastic
Output indicator:	✓
Repeatability:	≤ 0.1 mm <sup>1)</sup>
Overrun distance typ.:	9 mm
Shock and vibration resistance:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient operating temperature:	-25 °C ... +75 °C
Switching power:	6 W
Protection class:::	II <sup>2) 3) 4)</sup>
Hysteresis typ.:	≤ 1.5 mm
Magnetic field sensitivity, typ.:	3 mT

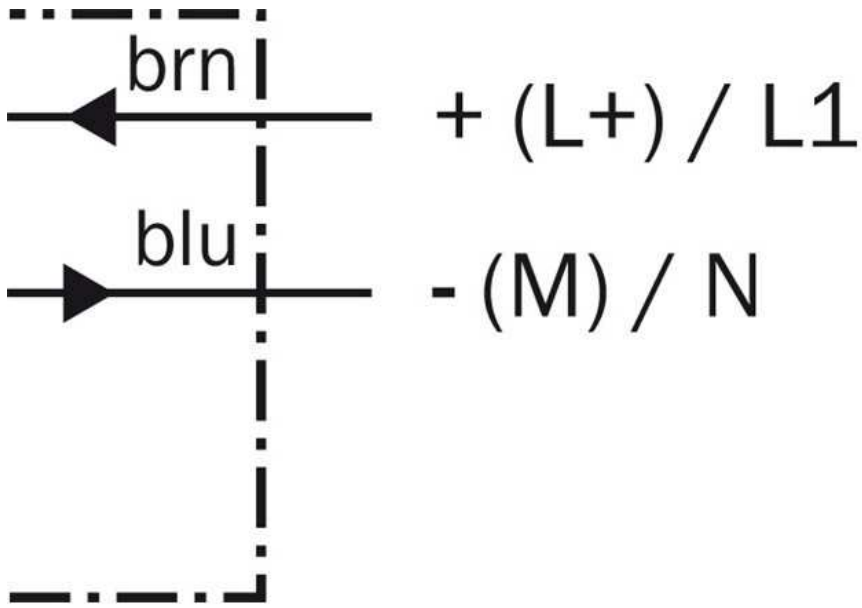
<sup>1)</sup> Ub and Ta constant    <sup>2)</sup> Sensor may only be mounted as a complete unit in the slot    <sup>3)</sup> Overvoltage category II    <sup>4)</sup> Rated voltage AC (effective)/DC 230 V

**Dimensional drawing**



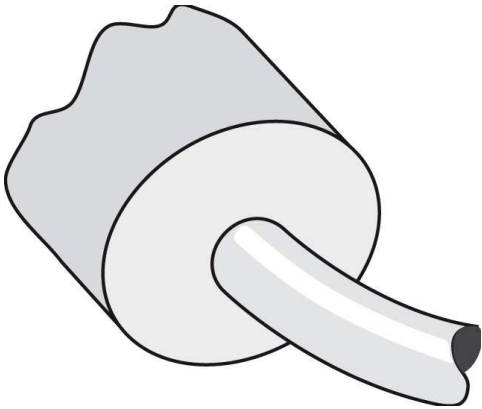
Connection diagram

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Connection type

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