

ONLINE DATA SHEET
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Magnetic Cylinder Sensors
Sensors for C-slot cylinders

RZC1-04ZRS-KU0



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Sensors for C-slot cylinders

Model Name > RZC1-04ZRS-KU0
Part No. > 1059746



At a glance

- Fits into all commonly used cylinders, linear slides and grippers with C-slots, such as, Festo or SMC
- Complete range with Reed 3-wire, Reed 2-wire, and Reed 120V version
- Combined Allen and flathead installation screw
- Very short sensor housing, making it easier to install on short stroke cylinders
- LED function indicator
- IP 67 / IP 68 / IP 69K enclosure rating (depending on type)

Your benefits

- Reduced maintenance cost as the sensor keeps its position under shock and vibration and does not move out
- Flexible installation via Allen wrench or flathead screwdriver
- Time saving single-hand mounting with ¼-turn installation
- Convenient installation and sensor replacement due to drop-in installation - installer does not need to disassemble the cylinder from the machine for sensor replacement
- Extremely rugged VISTAL-housing - rated for IP67 respectively IP 68 and IP 69K, enlarging sensor life time

Features

Switching frequency typ.:	± 500 Hz
Output type:	Reed
Output function:	NO
Electrical wiring:	AC/DC 3-wire
Cylinder type:	C-slot
Cylinder types with adapter:	SMC rail cylinder CDQ2 SMC rail cylinder ECDQ2
Housing length:	26.3 mm
Enclosure rating::	IP 68 IP 69K [1) 2)]

[1)] According to EN 60529 (IP67/IP68) [2)] According to DIN 40050 (IP69K)

Mechanics/electronics

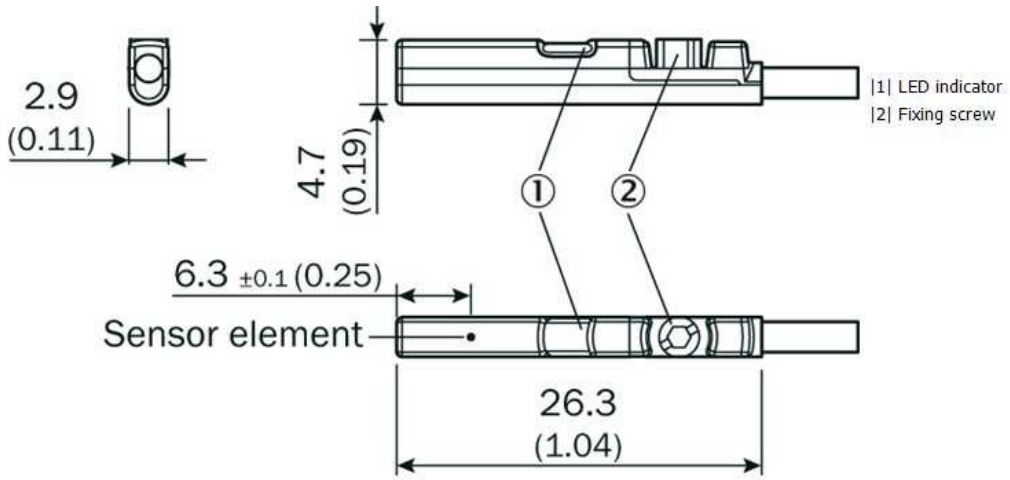
Connection type:	Cable, 3-wire, 2 m
Supply voltage:	5 V AC/DC ... 30 V AC/DC
Power consumption:	5 mA [1)]

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Voltage drop:	< 0.5 V
Output current Ia:	≤ 500 mA
EMC:	According to EN 60947-5-2
Cable material:	PUR
Conductor cross-section:	0.09 mm²
Housing material:	Plastic
Housing cap material:	PA, strengthened
Repeatability:	≤ 0.1 mT [2]
Overrun distance typ.:	7 mm
Shock and vibration resistance:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient operating temperature:	-30 °C ... 80 °C
Switching power:	10 W
Protection class:	III

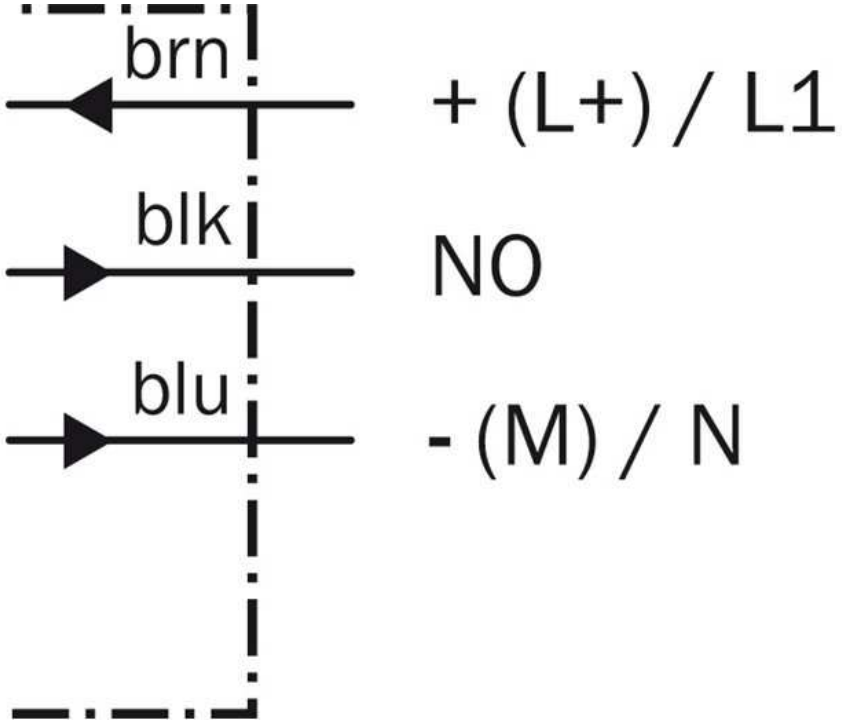
[1] Without load [2] Ub and Ta constant

Dimensional drawing

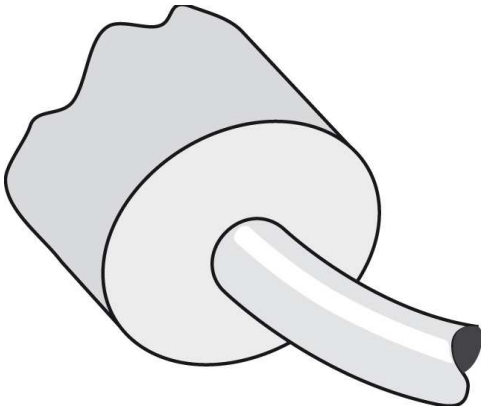


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Connection diagram



Connection type



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