



Magnetic Cylinder Sensors Sensors for C-slot cylinders

RZN1-05ZRS-KP0



Model Name > [RZN1-05ZRS-KP0](#)
Part No. > [1022056](#)



At a glance

- Used for all commonly used cylinders with C-slots, such as FESTO or SMC
- Compact housing design
- IP 67 enclosure rating
- LED status indicator

Your benefits

- Suitable for all common C-slots (SMC, Festo, etc.), ensuring easy integration and reducing inventory costs
- Easy drop-in mounting simplifies setup and saves installation time
- High resistance to shock and vibration reduces sensor failure and maintenance costs
- Fully encapsulated housing resists fluids and leaks, increasing sensor life

The product has been discontinued. Please contact your SICK sales representative for more information about a replacement product.



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:	25 mm
Switching frequency typ.:	500 Hz
Cylinder type:	C-slot

¹⁾ According to EN40050

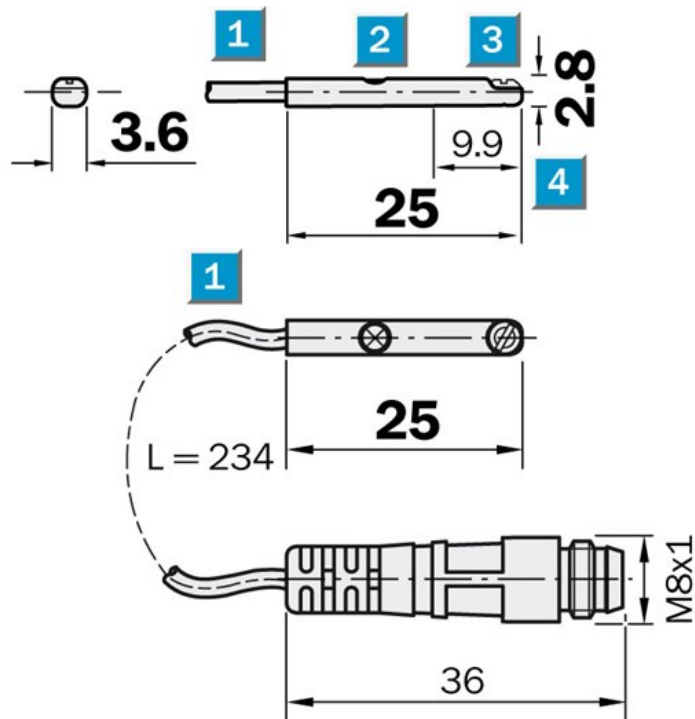
Mechanics/electronics

Connection type:	Cable with connector M8, 3-pin, 0.3 m
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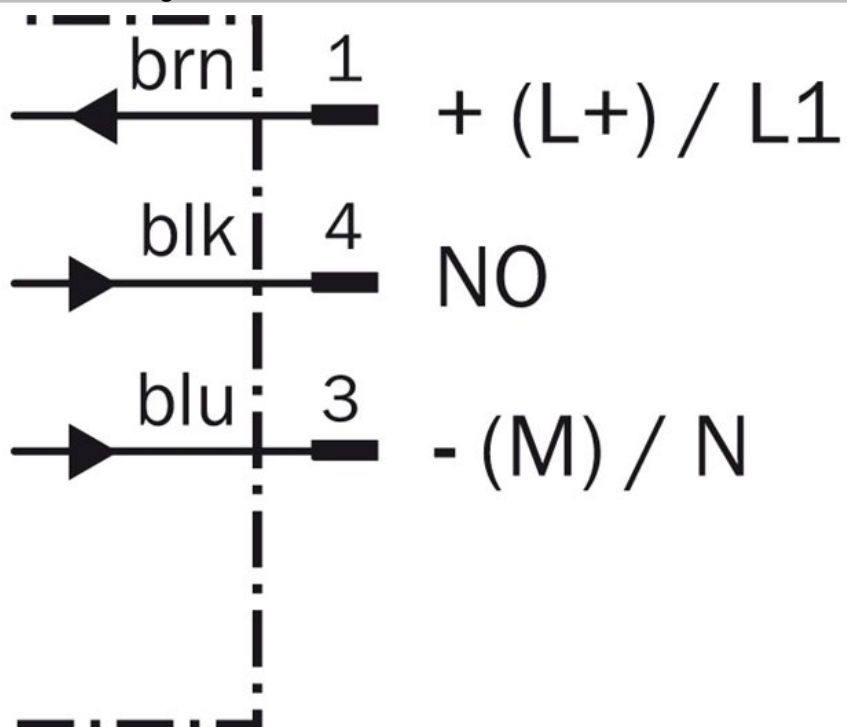
Supply voltage:	10 V AC/DC ... 30 V AC/DC
Output current I_a :	≤ 500 mA (DC) ≤ 300 mA (AC)
Hysteresis:	≤ 0.7 mT
Repeatability:	≤ 0.1 mm ¹⁾
EMC:	According to EN 60947-5-2
Cable material:	PUR
Housing material:	Plastic
Housing cap material:	PA12
Sensing face material:	Plastic
Ambient operating temperature:	-25 °C ... 75 °C
Shock/vibration:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Switching power:	10 W

¹⁾ U_b and T_a constant

Dimensional drawing



Connection diagram



Connection type



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