



RZN1-05ZRS-KQ0

CYLINDER SENSORS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
RZN1-05ZRS-KQ0	1042345

Other models and accessories → www.sick.com/

Detailed technical data

Features

Cylinder type	C-slot
Cylinder types with adapter	Profile cylinder Tie rod cylinder Round body cylinder Dovetail groove cylinder SMC rail ECDQ2 SMC rail CDQ2
Housing length	25 mm
Switching output	Reed
Switching output detail	Reed
Switching frequency	500 Hz
Output function	NO
Electrical wiring	AC/DC 3-wire
Enclosure rating	IP67 ¹⁾
Sensing face	Center

¹⁾ According to EN 40050.

Mechanics/electronics

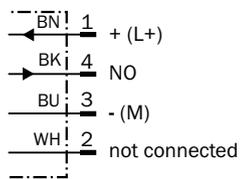
Supply voltage	10 V AC/DC ... 30 V AC/DC
Switching capacity	≤ 10 W
Hysteresis, typ.	≤ 0.7 mT
Reproducibility	≤ 0.1 mm ¹⁾
Status indicator LED	Yes
Ambient operating temperature	-25 °C ... +75 °C
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm
Connection type	Cable with connector M12, 3-pin, 0.3 m
Material	
Housing	Plastic, PA12
Sensing face	Plastic, plastic
Cable	PUR
UL File No.	NRKH.E181493

¹⁾ Supply voltage U_B and constant ambient temperature T_a .

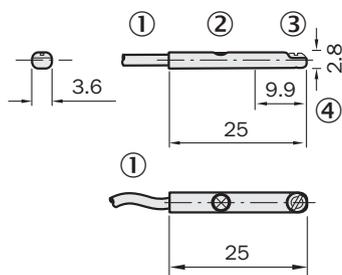
Classifications

ECLASS 5.0	27270104
ECLASS 5.1.4	27270104
ECLASS 6.0	27270104
ECLASS 6.2	27270104
ECLASS 7.0	27270104
ECLASS 8.0	27270104
ECLASS 8.1	27270104
ECLASS 9.0	27270104
ECLASS 10.0	27270104
ECLASS 11.0	27270104
ECLASS 12.0	27274301
ETIM 5.0	EC002544
ETIM 6.0	EC002544
ETIM 7.0	EC002544
ETIM 8.0	EC002544
UNSPSC 16.0901	39122230

Connection diagram Cd-011



Dimensional drawing



Dimensions in mm (inch)

- ① Connection
- ② Display LED
- ③ Fixing screw
- ④ Position sensor element

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com