Magnetic Cylinder Sensors Sensors for C-slot cylinders

MZC1-6V0PO-KRDS05







Model Name> MZC1-6V0PO-KRDS05Part No.> 1068618



At a glance

- Fits into all commonly used cylinders, linear slides and grippers with C-slots, such as, Festo or SMC
- Complete range with PNP / NPN, PUR and PVC cable , M8 and M12 connector
- · 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
- Increased machine throughput thanks to SICK's proprietary GMR technology (giant magneto resistive) as well as the SICK-ASIC (application specific integrated circuit) that ensure precise one-time switching while eliminating false signals
- · Flexible installation via Allen wrench or flathead screwdriver
- Time saving single-hand mounting with 1/4-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.:	1,000 Hz
Output type:	PNP
Output function:	NC
Electrical wiring:	DC 3-wire
Cylinder type:	C-slot
Cylinder types with adapter:	SMC rail cylinder CDQ2 SMC rail cylinder ECDQ2
Housing length:	23.7 mm
Special features:	20 ms pulse streching (off delay)

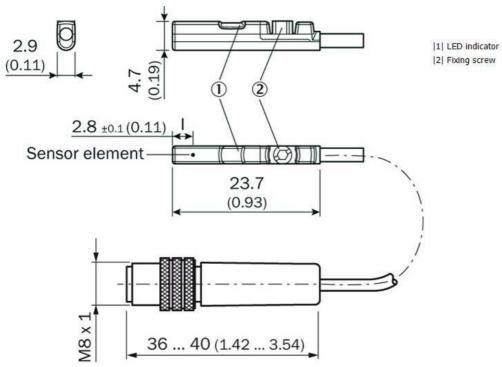
According to EN 60529 (IP67/IP68);

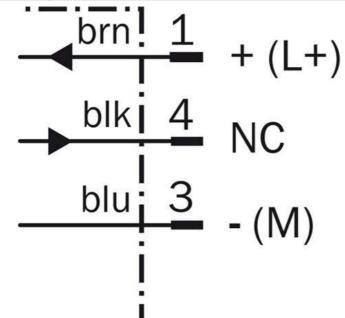
Mechanics/electronics

Electrical connection:	Cable with connector M8, 3-pin, with knurled nuts, 0.5 m
Supply voltage:	10 V DC 30 V DC
Power consumption:	\leq 8 mA ¹⁾
Voltage drop:	≤ 2.5 V
Output current la:	≤ 100 mA
EMC:	According to EN 60947-5-2
Cable material:	PUR
Conductor cross-section:	0.09 mm²
Reverse polarity protection:	\checkmark
Short-circuit protection:	\checkmark
Power-up pulse protection:	-
Repeatability:	≤ 0.1 mT ²⁾
Overrun distance typ.:	4 mm
Shock and vibration resistance:	30 g, 11 ms ∕ 10 55 Hz, 1 mm
Ambient operating temperature:	-30 °C +80 °C
Protection class:	III
Hysteresis typ.:	≤ 0.8 mT
Magnetic field sensitivity, typ.:	6 mT
Housing material:	Plastic
1)	

¹⁾ Without load ²⁾ Ub and Ta constant

Dimensional drawing





Connection type



Australia

Phone +61 3 9457 0600 1800 33 48 02 - tollfree E-Mail sales@sick.com.au

Belgium/Luxembourg Phone +32 (0)2 466 55 66 E-Mail info@sick.be

Brasil Phone +55 11 3215-4900 E-Mail marketing@sick.com.br

Canada

Phone +1 905 771 14 44 E-Mail information@sick.com

Česká republika Phone +420 2 57 91 18 50 E-Mail sick@sick.cz

China

Phone +86 4000 121 000 E-Mail info.china@sick.net.cn Phone +852-2153 6300 E-Mail ghk@sick.com.hk

Danmark Phone +45 45 82 64 00 E-Mail sick@sick.dk

Deutschland Phone +49 211 5301-301 E-Mail info@sick.de

España Phone +34 93 480 31 00 E-Mail info@sick.es

France Phone +33 1 64 62 35 00 E-Mail info@sick.fr

Great Britain Phone +44 (0)1727 831121 E-Mail info@sick.co.uk

India Phone +91-22-4033 8333 E-Mail info@sick-india.com

Israel Phone +972-4-6881000 E-Mail info@sick-sensors.com Italia

Phone +39 02 27 43 41 E-Mail info@sick.it

Japan Phone +81 (0)3 5309 2112 E-Mail support@sick.jp

Magyarország Phone +36 1 371 2680 E-Mail office@sick.hu

Nederland Phone +31 (0)30 229 25 44 E-Mail info@sick.nl E-Mail sick@sick.no Österreich Phone +43 (0)22 36 62 28 8-0 E-Mail office@sick.at Polska Phone +48 22 837 40 50

Phone +47 67 81 50 00

Norge

E-Mail info@sick.pl România

Phone +40 356 171 120 E-Mail office@sick.ro Russia

Phone +7-495-775-05-30 E-Mail info@sick.ru

Schweiz Phone +41 41 619 29 39 E-Mail contact@sick.ch

Singapore Phone +65 6744 3732 E-Mail sales.gsg@sick.com

Slovenija Phone +386 (0)1-47 69 990 E-Mail office@sick.si

South Africa Phone +27 11 472 3733

E-Mail info@sickautomation.co.za
South Korea

Phone +82 2 786 6321/4 E-Mail info@sickkorea.net

Suomi Phone +358-9-25 15 800 E-Mail sick@sick.fi

Sverige Phone +46 10 110 10 00 E-Mail info@sick.se

Taiwan Phone +886 2 2375-6288 E-Mail sales@sick.com.tw

Türkiye Phone +90 (216) 528 50 00 E-Mail info@sick.com.tr

United Arab Emirates Phone +971 (0) 4 88 65 878 E-Mail info@sick.ae

USA/México Phone +1(952) 941-6780 1 (800) 325-7425 - tollfree E-Mail info@sickusa.com

More representatives and agencies at www.sick.com

