Product family overview

MZC1 Twin

Cylinder sensors with two sensor heads for C-slot

SICK
Sensor Intelligence.

Technical data overview

Output function	NO
Special features	Two sensor heads on one plug
Cylinder types with adapter	SMC rail CDQ2 SMC rail ECDQ2 Round body cylinder Profile cylinders and tie-rod cylinders
Housing length	23.7 mm

Product description

The MZC1 Twin cylinder sensor from SICK is the flexible solution for detecting the piston position in pneumatic actuators. The sensor can be inserted into cylinders very easily and, with the screw-and-washer assembly, tightened with just a quarter turn of a slotted screwdriver or hex key. The MZC1 Twin sits securely in the slot, which makes it well-suited for use in pneumatic cylinders with C-slot. In addition, the patented GMR and ASIC technology from SICK ensures that the sensor delivers precise switching. The MZC1 Twin is available in a range of variants up to an enclosure rating of IP68. Since the male connector has two MZC1 sensor heads, cabling work is very minimal.

At a glance

- Sensor variant for C-slot cylinder with two MZC1 sensor heads on one male connector
- Sensors are inserted into the cylinder slot from above
- Combined fixing screw (hexagon socket screw and slotted screw)
- Temperature-resistant up to 80 °C
- Enclosure rating: IP68

Your benefits

- Can be used at temperatures up to 80 °C
- Very rugged housing with enclosure rating IP68 extends the service life of the sensor
- Increases machine output though precise switching at the first attempt
- Quick and easy mounting using an Allen key or flat-head screwdriver
- Saves time on initial installation and when replacing devices as the sensor can be easily inserted into the slot from above The end caps of the cylinder do not have to be removed
- Low maintenance costs as the sensor is resistant to shock and vibration, meaning it does not slide about in the slot
- Low cabling requirements
- Two switching points - one connection

Fields of application

- End position detection in pneumatic cylinders

Ordering information

Other models and accessories ➜ www.sick.com/MZC1_Twin

- **Switching output:** PNP
- **Output function:** NO
- **Electrical wiring:** DC 4-wire
- **Communication interface:** -

Connection type	Type	Part no.
Cable with M12 male connector, 4-pin, 0.5 m	MZC1-2V2PS-KQTS18	1095688
Cable with connector M8, 4-pin, with knurled nuts, 0.3 m	MZC1-2V2PS-KRTS15	1095682
Cable with connector M8, 4-pin, with knurled nuts, 0.5 m	MZC1-2V2PS-KRTS17	1095687
Cable with connector M8, 4-pin, with knurled nuts, 0.75 m	MZC1-2V2PS-KRTS16	1095686

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

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