MZT8 Twin

Cylinder sensors with two sensor heads for T-slot cylinders

SICK
Sensor Intelligence.

MZT8 Twin

Technical data overview

Output function	NO
Special features	Magnetic field and welding field resistance (interference fields) PTFE hose Two sensor heads on one plug Visual installation aid/LED indicator (yellow) Power LED (green) (depending on type)
Cylinder types with adapter	Profile cylinder Tie rod cylinder Round body cylinder Dovetail groove cylinder SMC rail CDQ2 SMC rail ECDQ2
Housing length	24 mm

Product description

The MZT8 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 MZT8 Twin sits securely in the slot, which makes it well-suited for use in pneumatic cylinders with T-slot. In addition, the patented GMR and ASIC technology from SICK ensures that the sensor delivers precise switching. The MZT8 Twin is available in a range of variants up to an enclosure rating of IP68. Since the male connector has two MZT8 sensor heads, cabling work is very minimal.

At a glance

• Sensor variant for T-slot cylinder with two MZT8 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
• Very short sensor housing for use in short stroke cylinders
• 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/MZT8_Twin

- **Switching output:** PNP
- **Output function:** NO
- **Communication interface:** -

Connection type	Electrical wiring	Type	Part no.
Cable with connector M12, 4-pin, with knurled nuts, 0.5 m	DC 4-wire	MZT8-03VPS-KQTS13	1087119
Cable with connector M8, 4-pin, with knurled nuts, 0.1 m	DC 4-wire	MZT8-03VPS-KRTS37	1114713
Cable with connector M8, 4-pin, with knurled nuts, 0.3 m	DC 4-wire	MZT8-03VPS-KRTS11	1087116
		MZT8-03VPSAKRTS42	1141434
		MZT8-2V8PS-KRTS33	1095485
Cable with connector M8, 4-pin, with knurled nuts, 0.5 m	DC 4-wire	MZT8-03VPS-KRT	1087117
Cable with connector M8, 4-pin, with knurled nuts, 0.75 m	DC 4-wire	MZT8-03VPS-KRTS12	1087118
Cable with male connector, M12, 4-pin, with knurled screws, with PTFE hose, 0.5 m	DC 3-wire	MZT8-2V8PSWKQT	1115383

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:

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