



MZT1

The economical solution for pneumatic cylinders with T-Slot

SICK
Sensor Intelligence.



Technical data overview

Output function	NO / NC (depending on type)
Cylinder types with adapter	Profile cylinder Tie rod cylinder Dovetail groove cylinder Round body cylinder SMC rail CDQ2 SMC rail ECDQ2 (depending on type)
Housing length	30.5 mm
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Product description

The MZT1 magnetic cylinder sensor is used for determining the positions of pistons in pneumatic cylinders. The MZT1 is a rugged IP 67-rated sensor that can be mounted directly into the T-slot from above. MZT1 sensors are resistant to liquids and provide a reliable and economical solution for a variety of pneumatic applications.

At a glance

- Compact housing design
- Complete range with PNP / NPN, PUR and PVC cable, M8 and M12 connector
- LED function indicator
- For all commonly used cylinders with T-slots, e.g., Festo or SMC and it can be applied to multiple cylinders types such as round, tie-rod, integrated profile or dove-tail cylinders with mounting brackets

Your benefits

- Economic solution providing reliable switching performance
- Convenient installation and sensor replacement due to drop-in installation – installer does not need to disassemble the cylinder from the machine for sensor replacement.
- Resistant to shock, vibration and liquids, enlarging sensor life time

Ordering information

Other models and accessories → www.sick.com/MZT1

- **Electrical wiring:** DC 3-wire
- **Communication interface:** -

Connection type	Switching output	Output function	Type	Part no.
Cable with connector M12, 3-pin, 0.3 m	PNP	NO	MZT1-03VPS-KQ0	1022188
Cable with connector M12, 3-pin, 0.6 m	PNP	NO	MZT1-03VPS-KQD	1029649
Cable with connector M12, 3-pin, 1 m	PNP	NO	MZT1-03VPS-KQDS07	1054064
Cable with connector M8, 3-pin, 0.3 m	NPN	NO	MZT1-03VNS-KP0	1017851
	PNP	NO	MZT1-03VPS-KP0	1016910
			MZT1-03VPS-KPX	1018305
Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	PNP	NO	MZT1-03VPS-KRX	1023982
Cable with connector M8, 3-pin, with knurled nuts, 0.5 m	NPN	NO	MZT1-03VNS-KR0	1027577
Cable with connector M8, 3-pin, with knurled nuts, 3 m	PNP	NO	MZT1-03VPS-KRA	1043063
Cable, 3-wire, 2 m	NPN	NC	MZT1-03VNO-KW0	1048285
		NO	MZT1-03VNS-KU0	1023009
	PNP	NO	MZT1-03VPS-KU0	1027621
			MZT1-03VPS-KW0	1016809
Cable, 3-wire, 5 m	PNP	NO	MZT1-03VPS-KUB	1018999
Cable, 3-wire, 7.5 m	PNP	NO	MZT1-03VPS-KUDS10	1062560

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