MZT8 ATEX

Cylinder sensors for Ex zones for T-slot cylinders

SICK
Sensor Intelligence.

MZT8 ATEX

Technical data overview

Output function	NO
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 ATEX cylinder sensor from SICK is the flexible solution for detecting the piston position in pneumatic actuators in explosion-hazardous areas. The NAMUR version meets the most exacting standards and fulfills the requirements of the highest ATEX category 1D, 1G (dust and gas). As such it satisfies the requisite conditions for use in areas in which the atmosphere is explosive permanently, for prolonged periods of time, or frequently. SICK has also versions in ATEX category 3D, 3G for use in areas with a lower risk of explosion. These different explosion-proof variants of the MZT8 ATEX are suitable for use in silo hatches, elevators, mills, or conveyors.

At a glance

- Can be used in all standard cylinders, linear slides, and grippers using the T-slot and – with the help of adapters – in round rod, tie-rod, and profile cylinders, and cylinders with a dovetail groove
- Drop-in mounting from above simplifies handling and assembly
- Combined fixing screw (hexagon socket screw and slotted screw)
- Variants fulfill the requirements of ATEX categories 1D, 1G and 3D, 3G
- Very short sensor housing for use in short stroke cylinders
- Enclosure rating: IP 67

Your benefits

- Explosion protection at the highest level: NAMUR version for ATEX category 1D, 1G
- 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

Fields of application

- End position detection in pneumatic cylinders
- End position detection in pneumatic cylinders in explosion-hazardous areas

Ordering information

Other models and accessories ➜ www.sick.com/MZT8_ATEX

- **Communication interface:** -

Connection type	Switching output	Output function	Electrical wiring	Type	Part no.
Cable with connector M12, 2-pin, with knurled nuts, 0.3 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KQ0	1070467
Cable with connector M12, 3-pin, with knurled nuts, 0.3 m	PNP	NO	DC 3-wire	MZT8-03VPS-KQX	1073407
Cable with connector M8, 2-pin, with knurled nuts, 0.5 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KR0	1070466
Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	PNP	NO	DC 3-wire	MZT8-03VPS-KRX	1073406
				MZT8-2V8PS-KRXS36	1109959
Cable, 2-wire, 10 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KWDS03	1070464
Cable, 2-wire, 2 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KW0	1069424
Cable, 2-wire, 3 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KWA	1070456
Cable, 2-wire, 5 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KWB	1070461
Cable, 2-wire, 6 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KWDS01	1070462
Cable, 2-wire, 7 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KWDS02	1070463
Cable, 3-wire, 2 m	PNP	NO	DC 3-wire	MZT8-03VPS-KWX	1073405
Cable with connector M8, 2-pin, 0.3 m	NAMUR	–	DC 2-wire	MZT8-2V8-N-KP0	1070465

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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