



MZT8 VIA

Cylinder sensors with optical adjustment indicator for T-slot

SENSORS FOR T-SLOT CYLINDERS

SICK
Sensor Intelligence.



Technical data overview

Output function	NO
Special features	Visual installation aid/LED indicator (yellow) Power LED (green) Interior housing temperature (via IO-Link) Counter function (via IO-Link) (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
Supply voltage	10 V DC ... 30 V DC

Product description

The MZT8 VIA 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. It is not only the perfect fit in the slot that makes the MZT8 VIA ideal for use in pneumatic cylinders with T-slots. Patented GMR technology and the SICK ASIC ensure that the sensor only needs one attempt to deliver precise switching. Multiple switching operations are suppressed, which results in increased machine performance. The MZT8 VIA is available in a range of variants up to an enclosure rating of IP 69K. This ensures the sensor has a long service life and reduces maintenance costs. The yellow LED serves as an optical adjustment indicator and makes it easier to install the sensor and monitor its mounting position. The additional green LED indicates whether the MZT8 VIA is in operation.

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
- Insertion of the sensor into the slot from above makes mounting quick and easy
- Combined fixing screw (hexagon socket screw and slotted screw)
- Yellow LED as optical adjustment indicator and output state display
- Green LED acts as a status indicator
- Very short sensor housing for use in short stroke cylinders
- Enclosure ratings: IP 67, IP 68, IP 69K
- IO-Link and automation functions

Your benefits

- Easy installation and mounting position monitoring thanks to yellow LED
- Additional powerful green LED acts as a status indicator
- Very rugged housing with enclosure rating IP 67, IP 68, or IP 69K extends the service life of the sensor
- Increases machine output through 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
- Flexible sensor settings and visualization thanks to IO-Link

Fields of application

- End position detection in pneumatic cylinders

Ordering information

Other models and accessories → www.sick.com/MZT8_VIA

- **Switching output:** PNP
- **Output function:** NO
- **Electrical wiring:** DC 3-wire

Connection type	Communication interface	Type	Part no.
Cable with connector M12, 3-pin, 0.3 m	-	MZT8-1V6PSAKQ0	1092945
	IO-Link	MZT8-2V6PSAKQ0	1090059
Cable with connector M8, 3-pin, 0.3 m	IO-Link	MZT8-03VPSAKP0	1100929
		MZT8-2V6PSAKP0	1073264
Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IO-Link	MZT8-2V6PSAKRD	1083800
Cable with connector M8, 3-pin, with knurled nuts, 0.5 m	IO-Link	MZT8-2V6PSAKR0	1082456
Cable, 3-wire, 10 m	IO-Link	MZT8-2V6PSAKUD	1073267
Cable, 3-wire, 2 m	IO-Link	MZT8-2V6PSAKU0	1073265
Cable, 3-wire, 5 m	IO-Link	MZT8-2V6PSAKUB	1073266

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