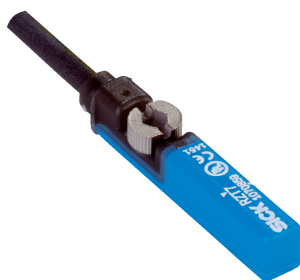# RZT7

Reed contact cylinder sensors: for T-slot cylinders

SICK
Sensor Intelligence.

RZT7

Technical data overview

Output function	NO NC NC or NO (depends on variant)
Teach-in	No
Special features	Extended operating temperature
Cylinder types with adapter	Profile cylinder Tie rod cylinder Round body cylinder Dovetail groove cylinder SMC rail CDQ2 SMC rail ECDQ2
Housing length	29.5 mm / 32.5 mm (depends on variant)

Product description

The SICK RZT7 cylinder sensor with reed contact reliably detects the piston position in pneumatic drives. The RZT7 can be mounted directly into all cylinders with standard T-slots. SICK also has an extensive range of adapters which enable the RZT7 to be used with other cylinder types. The RZT7 is characterized by its simple mounting principle: Insert the sensor into the slot and rotate the fixing screw a quarter turn to fix it securely to the cylinder.

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)
- LED for indicating the output state (depending on type)
- Enclosure rating: IP 67
- Supply voltage up to 230 V

Your benefits

- A sensor for a wide range of applications: The sensor design fits into all standard T-slots used around the world, regardless of the cylinder profile or make
- Simple mounting: Thanks to the retaining ribs on the side, the sensor holds its position even before the screw is tightened, ensuring that it does not fall out
- Fast mounting: The sensor is fixed quickly and securely in the slot simply by rotating the fixing screw a quarter turn
- The rugged fixing screw holds the sensor in the required position, even when exposed to shock and vibration
- It is easy to replace the sensor during servicing without removing the end caps

Fields of application

- End position detection in pneumatic cylinders

Ordering information

Other models and accessories ➜ www.sick.com/RZT7

- **Overrun distance, typ.:** 10 mm
- **Enclosure rating:** IP65, IP67

Connection type	Output function	Supply voltage	Electrical wiring	Type	Part no.
Cable with connector M8, 3-pin	NC	10 V AC/DC ... 48 V AC/DC	AC/DC 2-wire	RZT7-03ZU0-KP0S13	1103085
	NO	5 V AC/DC ... 30 V AC/DC	AC/DC 2-wire	RZT7-03ZUS-KP0	1070855
			AC/DC 3-wire	RZT7-03ZRS-KP0	1070847

Connection type	Output function	Supply voltage	Electrical wiring	Type	Part no.
Cable with plug M8, 3-pin, with knurled nut	NO	5 V AC/DC … 30 V AC/DC	AC/DC 2-wire	RZT7-03ZUS-KR0	1070857
			AC/DC 3-wire	RZT7-03ZRS-KR0	1070848
				RZT7-03ZRS-KRD	1085067
				RZT7-03ZRS-KRDS20	1121860
Cable with plug, M12, 3-pin, with knurled screws	NC	5 V AC/DC … 30 V AC/DC	AC/DC 2-wire	RZT7-03ZU0-KQ0	1082730
				RZT7-03ZU0-KQ0S17	1109287
	NC or NO	5 V AC/DC … 30 V AC/DC	AC/DC 3-wire	RZT7-03ZUP-KQ0S18	1110064
	NO	5 V AC/DC … 30 V AC/DC	AC/DC 2-wire	RZT7-03ZUS-KQ0	1070859
			AC/DC 3-wire	RZT7-03ZRS-KQ0	1070849
Cable, 2-wire, stripped	NC	5 V AC/DC … 120 V AC/DC	AC/DC 2-wire	RZT7-03ZV0-KW0	1070866
				RZT7-03ZV0-KWDS19	1115151
	NO	10 V AC/DC … 30 V AC/DC	AC/DC 2-wire	RZT7-03ZUSTKUA	1093627
				RZT7-03ZUSTKUB	1120494
		5 V AC/DC … 230 V AC/DC	AC/DC 2-wire	RZT7-03ZWS-KU0	1070869
				RZT7-03ZWS-KUB	1070870
				RZT7-03ZWS-KW0	1070871
				RZT7-03ZWS-KWB	1070872
		5 V AC/DC … 30 V AC/DC	AC/DC 2-wire	RZT7-03ZUS-KU0	1070861
				RZT7-03ZUS-KUB	1070863
				RZT7-03ZUS-KW0	1070865
				RZT7-03ZUS-KWB	1070867
Cable, 3-wire, stripped	NO	5 V AC/DC … 30 V AC/DC	AC/DC 3-wire	RZT7-03ZRS-KU0	1070850
				RZT7-03ZRS-KUB	1070851
				RZT7-03ZRS-KW0	1070852
				RZT7-03ZRS-KWB	1070853
				RZT7-03ZRS-KWD	1070854

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."

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