



Magnetic Cylinder Sensors Sensors for C-slot cylinders

MZ2Q-CSSPSKR0S01



Model Name > [MZ2Q-CSSPSKR0S01](#)
Part No. > [1044557](#)



At a glance

- Magnetic cylinder sensor for pneumatic and hydraulic cylinders with C-slot
- Simple 2-point teach-in procedure
- Detection zone up to 50 mm stroke
- Drop-in mounting from above
- Sensor fully recessed in slot
- Two versions available for Festo and SMC C-slots

Your benefits

- One sensor with two programmable switching points reduces installation time
- Fewer mounting and cabling requirements - saves installation time, mounting space, and money
- Maximum flexibility: programmable detection zone up to 50 mm stroke
- Suitable for precise pneumatic applications due to simple and precise definition of two switching points



Features

Connection type:	Cable with plug, M8, 4-pin, with knurled screws, 0.5 m
Switching output:	PNP
Output function:	NO
Electrical wiring:	DC 4-wire
Teach-in:	✓
Switching mode:	NO
For SMC cylinder:	✓
For Festo cylinder:	-

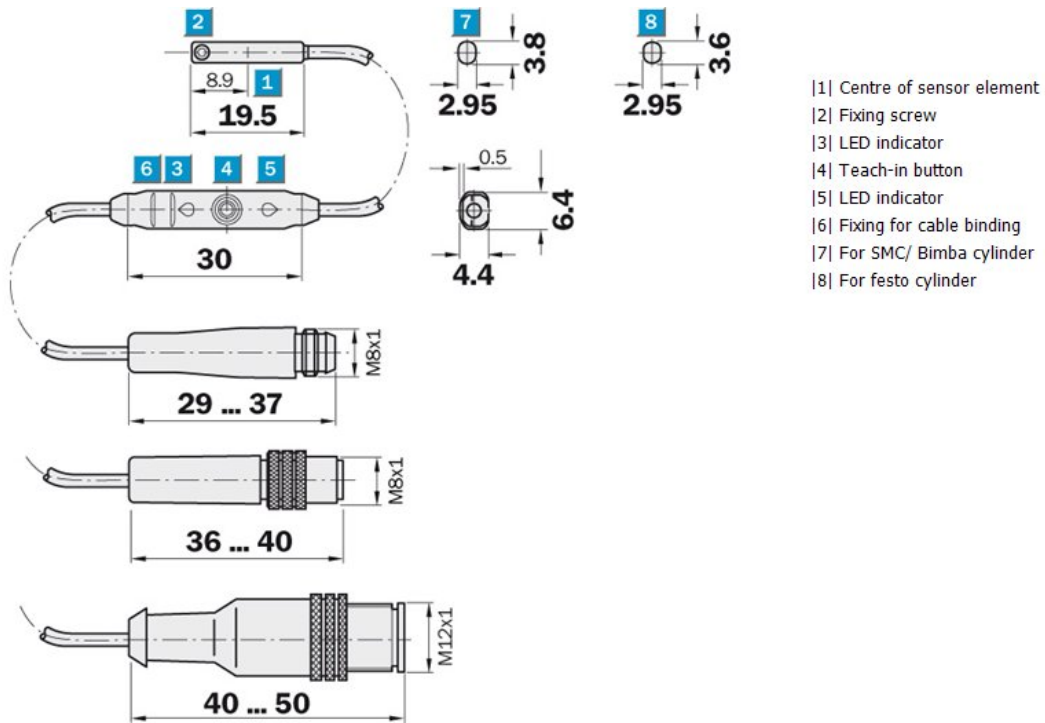
Mechanics/electronics

Enclosure rating:	IP 67 ¹⁾
Cylinder types:	C-slot
Cylinder types with adapter:	SMC rail cylinder CDQ2 (C-Slot) SMC rail cylinder ECDQ2 (C-Slot)
Housing length:	19.5 mm
Supply voltage:	12 V DC ... 30 V DC
Power consumption:	≤ 15 mA ²⁾
Voltage drop:	≤ 2.2 V
Output current I _a :	≤ 100 mA
Hysteresis:	1.5 mT
Repeatability:	≤ 0.1 mT ³⁾

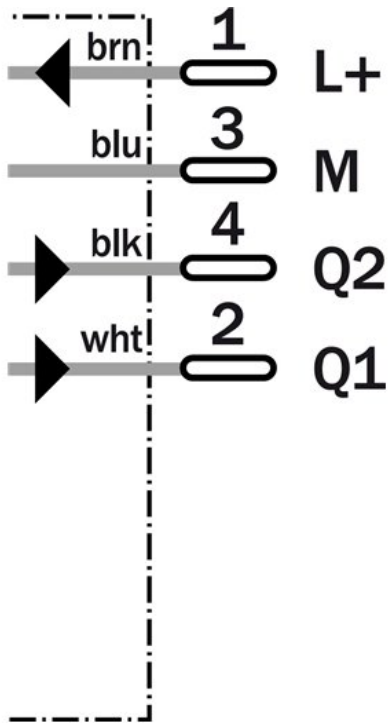
EMC:	According to EN 60947-5-2
Cable material:	PUR
Reverse polarity protection:	✓
Short-circuit protection:	✓
Housing material:	Plastic
Sensing face material:	Plastic
Ambient operating temperature:	-20 °C ... 75 °C
Shock/vibration:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Power-up pulse protection:	✓
Thread size:	M8

1) According to EN60529 2) Without load 3) Ub and Ta constant

Dimensional drawing



Connection diagram



Connection type



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