



# MZC1-4V3NS-KU0

MZC1

SENSORS FOR C-SLOT CYLINDERS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
MZC1-4V3NS-KU0	1059756

Other models and accessories → [www.sick.de/MZC1](http://www.sick.de/MZC1)



### Detailed technical data

#### Features

Cylinder type	C-slot
Cylinder types with adapter	SMC rail CDQ2 SMC rail ECDQ2
Housing length	23.7 mm
Output type	NPN
Switching frequency, typ.	1,000 Hz
Output function	NO
Electrical wiring	DC 3-wire
Enclosure rating	IP 68, IP 69K <sup>1) 2)</sup>

<sup>1)</sup> According to EN 60529 (IP 67 / IP 68)

<sup>2)</sup> According to DIN 40050 (IP 69K)

#### Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Power consumption	≤ 8 mA <sup>1)</sup>
Voltage drop	≤ 2.5 V
Continuous current I <sub>a</sub>	≤ 100 mA
Protection class	III
Response sensitivity, typ.	4.25 mT
Overrun distance, typ.	7 mm
Hysteresis, typ.	≤ 0.8 mT
Repeatability	≤ 0.1 mT <sup>2)</sup>
Reverse polarity protection	✓
Short-circuit protection	✓
Ambient operating temperature	-30 °C ... +80 °C
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm
EMC	According to EN 60947-5-2

<sup>1)</sup> Without load.

<sup>2)</sup> U<sub>b</sub> and T<sub>a</sub> constant.

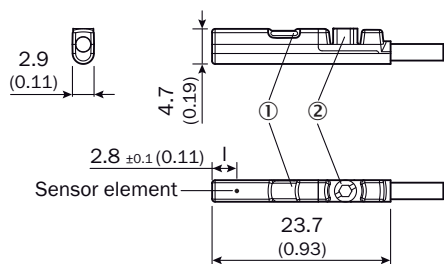
<b>Housing material</b>	Plastic
<b>Connection type</b>	Cable, 3-wire, 2 m
<b>Cable material</b>	PUR
<b>Conductor cross-section</b>	0.09 mm <sup>2</sup>
<b>UL File No.</b>	NRKH.E181493

<sup>1)</sup> Without load.

<sup>2)</sup> Ub and Ta constant.

### Dimensional drawing (Dimensions in mm (inch))

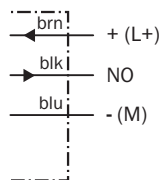
Cable



- ① Display LED
- ② Fixing screw



### Connection diagram

Cd-001



### Recommended accessories

Other models and accessories → [www.sick.de/MZC1](http://www.sick.de/MZC1)

	Brief description	Type	Part no.
<b>Brackets for cylinder sensors</b>			
	Mounting bracket for mounting on SMC rails CDQ2 (C-slot), Aluminum	BEF-KHZ-TC2	2046442
	Mounting bracket for mounting on SMC rails ECDQ2 (C-slot), Aluminum, without mounting hardware	BEF-KHZ-TC1	2046441

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