



# RM08-10AU0-ZUKS03

MME

MAGNETIC SENSORS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
RM08-10AU0-ZUKS03	1076783

Included in delivery: BEF-MU-M08 (1)

Other models and accessories → [www.sick.com/MME](http://www.sick.com/MME)



### Detailed technical data

#### Features

<b>Housing</b>	Metric
<b>Housing</b>	Short-body
<b>Thread size</b>	M8 x 1
<b>Diameter</b>	Ø 8 mm
<b>Magnetic sensitivity</b>	Typ. 2.6 mT
<b>Switching frequency</b>	200 Hz
<b>Connection type</b>	Cable, 2-wire, 2.5 m
<b>Switching output</b>	Reed
<b>Switching output detail</b>	Reed
<b>Output function</b>	NC
<b>Electrical wiring</b>	DC 2-wire
<b>Magnetic alignment</b>	Axial
<b>Enclosure rating</b>	IP67 <sup>1)</sup>
<b>Items supplied</b>	Mounting nut, brass, nickel-plated (2x)

<sup>1)</sup> According to EN 60529.

#### Mechanics/electronics

<b>Supply voltage</b>	10 V DC ... 60 V DC
<b>Ripple</b>	≤ 10 % <sup>1)</sup>
<b>Voltage drop</b>	≤ 2 V <sup>2)</sup>
<b>Hysteresis</b>	1 % ... 10 %
<b>Temperature drift (of S<sub>v</sub>)</b>	± 10 %
<b>EMC</b>	According to EN 60947-5-2

<sup>1)</sup> Of V<sub>S</sub>.

<sup>2)</sup> At I<sub>a</sub> max.

<sup>3)</sup> Temperature changes below -25 °C reduce the service life of the sensor.

<sup>4)</sup> At temperatures below -25 °C, the cable must be permanently installed.

<b>Continuous current <math>I_a</math></b>	≤ 500 mA
<b>Cable material</b>	PUR
<b>Shock and vibration resistance</b>	30 g, 11 ms / 10 ... 55 Hz, 1 mm
<b>Ambient operating temperature</b>	-40 °C ... +75 °C <sup>3)</sup> <sup>4)</sup>
<b>Housing material</b>	Nickel-plated brass
<b>Housing length</b>	48 mm
<b>Thread length</b>	29.5 mm
<b>Tightening torque, max.</b>	6 Nm

1) Of  $V_S$ .

2) At  $I_a$  max.

3) Temperature changes below -25 °C reduce the service life of the sensor.

4) At temperatures below -25 °C, the cable must be permanently installed.

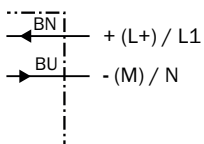
### Classifications

<b>ECLASS 5.0</b>	27270104
<b>ECLASS 5.1.4</b>	27270104
<b>ECLASS 6.0</b>	27270104
<b>ECLASS 6.2</b>	27270104
<b>ECLASS 7.0</b>	27270104
<b>ECLASS 8.0</b>	27270104
<b>ECLASS 8.1</b>	27270104
<b>ECLASS 9.0</b>	27270104
<b>ECLASS 10.0</b>	27270104
<b>ECLASS 11.0</b>	27270104
<b>ECLASS 12.0</b>	27274301
<b>ETIM 5.0</b>	EC002544
<b>ETIM 6.0</b>	EC002544
<b>ETIM 7.0</b>	EC002544
<b>ETIM 8.0</b>	EC002544
<b>UNSPSC 16.0901</b>	39122230

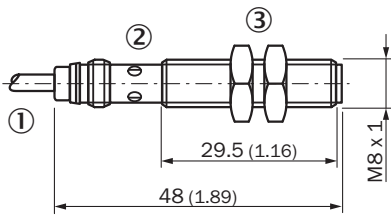
### Certificates

<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓
<b>Moroccan declaration of conformity</b>	✓
<b>China RoHS</b>	✓

### Connection diagram Cd-037



### Dimensional drawing MM08, cable, short-body housing



Dimensions in mm (inch)

- ① Connection
- ② Display LED
- ③ fastening nuts (2 x); width across 13, plastic

### Recommended accessories

Other models and accessories → [www.sick.com/MME](http://www.sick.com/MME)

	Brief description	Type	part no.
<b>Mounting systems</b>			
	<ul style="list-style-type: none"> <li><b>Description:</b> Mounting bracket for M8 sensors</li> <li><b>Material:</b> Steel</li> <li><b>Details:</b> Steel, zinc coated</li> <li><b>Items supplied:</b> Without mounting hardware</li> </ul>	BEF-WN-M08	5321721
	<ul style="list-style-type: none"> <li><b>Description:</b> Mounting plate for M8 sensors</li> <li><b>Material:</b> Steel</li> <li><b>Details:</b> Steel, zinc coated</li> <li><b>Items supplied:</b> Without mounting hardware</li> </ul>	BEF-WG-M08	5321722
	<ul style="list-style-type: none"> <li><b>Description:</b> Clamping block for round sensors M8, without fixed stop</li> <li><b>Material:</b> Plastic</li> <li><b>Details:</b> Plastic (PA12), glass-fiber reinforced</li> <li><b>Items supplied:</b> Mounting hardware included</li> </ul>	BEF-KH-M08	2051477
	<ul style="list-style-type: none"> <li><b>Description:</b> Clamping block for round sensors M8, with fixed stop</li> <li><b>Material:</b> Plastic</li> <li><b>Details:</b> Plastic (PA12), glass-fiber reinforced</li> <li><b>Items supplied:</b> Mounting hardware included</li> </ul>	BEF-KHF-M08	2051478

## 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](http://www.sick.com)