

MM08-60APO-ZUA

MME

MAGNETIC SENSORS





Ordering information

Туре	Part no.
MM08-60APO-ZUA	1042425

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

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

€照器

Detailed technical data

Features

Housing	Cylindrical thread design
Housing	Short-body
Thread size	M8 x 1
Diameter	Ø 8 mm
Sensing range S _n	0 mm 60 mm ¹⁾
Safe sensing range S _a	48.6 mm
Magnetic sensitivity	≤ 1 mT
Switching frequency	1,000 Hz
Connection type	Cable, 3-wire, 3 m
Switching output	PNP
Output function	NC
Electrical wiring	DC 3-wire
Magnetic alignment	Axial
Enclosure rating	IP67 ²⁾
Items supplied	Mounting nut, brass, nickel-plated (2x)

 $^{^{1)}}$ Sensing range based on installation in non-magnetic material using Magnet MAG-3010-B (M4.0).

Mechanics/electronics

Supply voltage	10 V DC 30 V DC
Ripple	≤ 10 % ¹⁾
Voltage drop	\leq 2 V $^{2)}$

 $^{^{1)}}$ Of V_{S} .

²⁾ According to EN 60529.

²⁾ At I_a max.

³⁾ Without load.

 $^{^{\}rm 4)}$ Von Sr (VS und Ta constant).

⁵⁾ Pulsed.

Current consumption	10 mA ³⁾
Time delay before availability	≤ 20 ms
Hysteresis	1 % 10 %
Reproducibility	≤ 1 % ⁴⁾
Temperature drift (of S _r)	± 10 %
EMC	According to EN 60947-5-2
Continuous current I _a	≤ 200 mA
Cable material	PUR/PVC
Short-circuit protection	✓ ⁵⁾
Reverse polarity protection	√
Power-up pulse protection	✓
Shock and vibration resistance	30 g, 11 ms / 10 55 Hz, 1 mm
Ambient operating temperature	-25 °C +75 °C
Housing material	Metal, Nickel-plated brass
Housing length	48 mm
Thread length	29.5 mm
Tightening torque, max.	6 Nm

¹⁾ Of V_S.

Safety-related parameters

MTTFD	2,339 years
DC _{avg}	0 %

Classifications

eCl@ss 5.0	27270104
eCl@ss 5.1.4	27270104
eCl@ss 6.0	27270104
eCl@ss 6.2	27270104
eCl@ss 7.0	27270104
eCl@ss 8.0	27270104
eCl@ss 8.1	27270104
eCl@ss 9.0	27270104
eCl@ss 10.0	27270104
eCl@ss 11.0	27270104
eCl@ss 12.0	27274301
ETIM 5.0	EC002544
ETIM 6.0	EC002544
ETIM 7.0	EC002544
ETIM 8.0	EC002544

²⁾ At I_a max.

³⁾ Without load.

⁴⁾ Von Sr (VS und Ta constant).

⁵⁾ Pulsed.

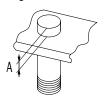
UNSPSC 16.0901

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Installation note

installation in magnetizable material

installation in non-magnetizable material





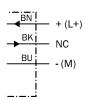
		2
Ø	A (mm)	M (Nm)
M8	10	< 6

Connection type



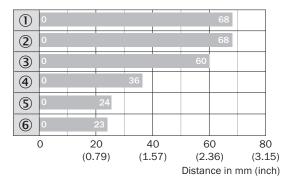
Connection diagram

Cd-003



Sensing range diagram

Sensing range

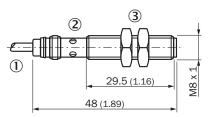


Max. sensing range S_n , flush or non-flush installation, non-magnetizable material

Magnet type	Part no.
① MAG-3315-B (M 5.1)	7902086
② MAG-3015-B (M 5.0)	7901786
③ MAG-3010-B (M 4.0)	7901785
4 MAG-2006-B (M 3.0)	7901784
(5) MAG-0625-A (M 2.0)	7901783
6 MAG-1003-S (M 1.0)	7901782

Dimensional drawing (Dimensions in mm (inch))

MM08, cable, short-body housing



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

Recommended accessories

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

	Brief description	Туре	Part no.
Mounting brace	ekets and plates		
	Mounting plate for M8 sensors, steel, zinc coated, without mounting hardware	BEF-WG-M08	5321722

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	Brief description	Туре	Part no.
	Mounting bracket for M8 sensors, steel, zinc coated, without mounting hardware	BEF-WN-M08	5321721
Terminal and	alignment brackets		
	Clamping block for round sensors M8, without fixed stop, plastic (PA12), glass-fiber reinforced, mounting hardware included $$	BEF-KH-M08	2051477
	Clamping block for round sensors M8, with fixed stop, plastic (PA12), glass-fiber reinforced, mounting hardware included	BEF-KHF-M08	2051478

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