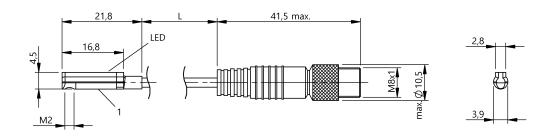
BMF 214K-PS-C-2A-SA2-S49-01,2

Order Code: BMF00LH





1) Sensing surface



Basic	features
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Application	Optimized response path especially suited for short-stroke cylinders.
Approval/Conformity	cULus CE WEEE FAC
Basic standard	IEC 60947-5-2
Principle of operation	Magnetic field sensor

Display/Operation

Function indicator yes

Electrical connection

Cable	PUR, 1.2 m
Cable diameter D	2.50 mm
Connection	M8x1-Male, 3-pin
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

2 kA/m
1 μF
5 mA
1030 VDC
Open drain
75 V DC
100 mA
24 V
100 A
1.2 kA/m
80 μΑ
15 %
7000 Hz
0.07 ms
0.07 ms
DC -13
2.5 V

Environmental conditions

Subject to change without notice: PV172174

Ambient temperature	-2585 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
ESD	3A(8KV)
Emission	Group 1, Class B
IP rating	IP67

Magnetic Sensors

BMF 214K-PS-C-2A-SA2-S49-01,2 Order Code: BMF00LH



Functional safety MTTF (40 °C) 520 a Interface Switching output PNP normally open (NO) Material

PA 12

PUR

Mechanical data

Dimension 16.8 x 2.9 x 4.5 mm

Tightening torque 0.03 Nm

Range/Distance

Temp. drift max. (% of Hn) 0.3 %

Remarks

Housing material

Material jacket

Max. pull force on cable 10 N.

EMC: Surge resistance

External protection circuit is required. Document 825345, Section 2.

The sensor is functional again after the overload has been eliminated.

UL-MARKINGS: - For use in NFPA 79 Applications only - Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams

