

Inductive sensor

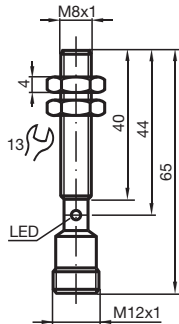
NMB1,5-8GM65-E2-FE-V1



- Stainless steel sensing face
- Sensing range 1.5 mm
- 3-wire DC
- Ferrous targets



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.6
Reduction factor r_{S137}		1

Nominal ratings

Release date: 2020-03-20 Date of issue: 2020-03-30 Filename: 904077_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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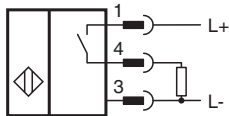
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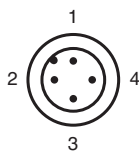
Technical Data

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	80 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V
Operating current	I_L	≤ 100 mA
Current consumption		≤ 15 mA
Off-state current	I_r	≤ 10 μ A
Indicators/operating means		
Operation indicator		LED red: output
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤ 36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

Connection





Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

	<p>V1-G-2M-PUR</p>	<p>Female cordset, M12, 4-pin, PUR cable</p>
	<p>V1-W-2M-PUR</p>	<p>Female cordset, M12, 4-pin, PUR cable</p>

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