

Inductive sensor

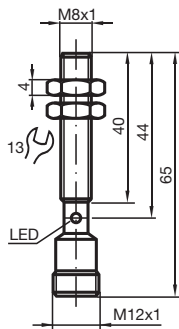
NMB3-8GM65-E2-V1



- Stainless steel sensing face
- 3 mm flush
- Increased operating distance



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	3 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 2.43 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.8
Reduction factor r_{St37}		1
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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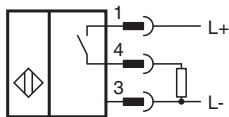
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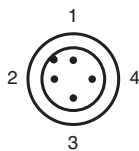
Technical Data

Switching frequency	f	0 ... 360 Hz
Hysteresis	H	5 ... 15 typ. 10 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V
Operating current	I_L	≤ 100 mA
Current consumption		≤ 10 mA
Off-state current	I_r	≤ 10 μ A
No-load supply current	I_0	≤ 15 mA
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		0 ... 75 °C (32 ... 167 °F)
Mechanical specifications		
Connection type		Connector plug 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 single-ended M12 straight A-coded, 4-pin, PUR cable grey</p>
	<p>V1-W-2M-PUR</p>	<p>Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey</p>

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