

Inductive sensor

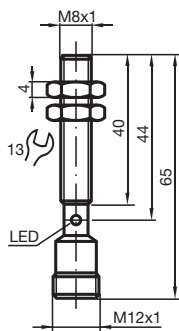
NMB3-8GM65-E2-V1



- 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_{Si37}		1
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC

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

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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 µA
No-load supply current	I ₀	≤ 15 mA

Indicators/operating means

Operation indicator	LED red: output
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Standard conformity

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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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

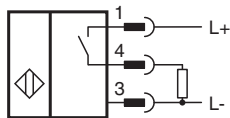
Ambient conditions

Ambient temperature	0 ... 75 °C (32 ... 167 °F)
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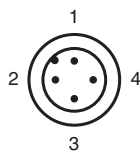
Mechanical specifications

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

	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable

Release date: 2020-03-24 Date of issue: 2020-03-30 Filename: 912997_eng.pdf