

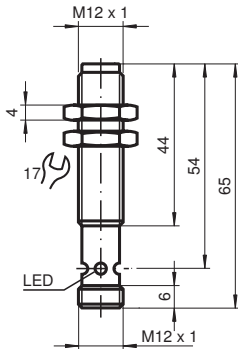
NMB2-12GM65-E3-FE-V1



- Stainless steel sensing face
- Sensing range 2 mm
- 3-wire DC
- Ferrous targets



Dimensions



Technical Data

General specifications

Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s _n	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 1.62 mm
Actuating element		Ferrous targets
Reduction factor r _{Al}		0
Reduction factor r _{Cu}		0
Reduction factor r ₃₀₄		0.25
Reduction factor r _{316Ti}		0.1
Reduction factor r _{Si37}		1

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

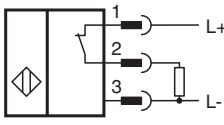
Singapore: +65 6779 9091
fa-info@sq.pepperl-fuchs.com



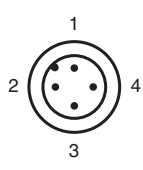
Technical Data

Reduction factor r_{Brass}	0	
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V DC
Operating current	I_L	≤ 200 mA
Current consumption		< 14 mA
Off-state current	I_r	≤ 10 μ A
Functional safety related parameters		
MTTF _d		990 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		4-way dual LED Green: power Yellow: output
Compliance with standards and directives		
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		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection type		V1 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 / IP68 / IP69K - cordset dependent according to cable specification

Connection



Connection Assignment



Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 908433_eng.pdf

Wire colors in accordance with EN 60947-5-2

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

Accessories

	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	AB-12	Mounting aid

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