



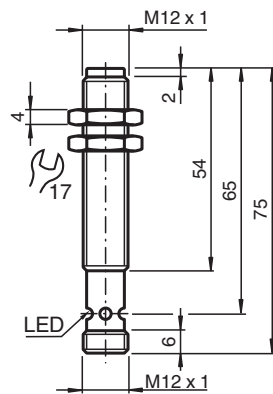
Inductive sensor

NMB2-12GM75-Z0-C-FE-V1

- Stainless steel sensing face
- Sensing range 2 mm
- 2-wire DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
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}		0.75
Reduction factor r_{St37}		1
Reduction factor r_{Brass}		0
Output type		2-wire
Nominal ratings		
Operating voltage	U_B	6 ... 30 V DC
Switching frequency	f	0 ... 5 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		no

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 904810_eng.pdf

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

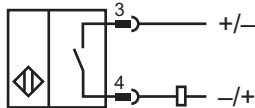
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PF PEPPERL+FUCHS

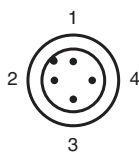
Technical Data

Voltage drop	U_d	≤ 5.5 V DC
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	≤ 800 μ A
Switching state indicator		Multihole-LED, yellow
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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 plug M12 x 1, 4-pin
Housing material		Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face		Xylan coated - Stainless steel 1.4305 / AISI 303
Degree of protection		IP67 / IP68 / IP69K - cordset dependent according to cable specification

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-OR2M-POC</p>	<p>Female cordset single-ended M12 straight A-coded, 4-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked</p>
	<p>AB-12</p>	<p>Mounting aid</p>

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 904810_eng.pdf

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