

Inductive sensor

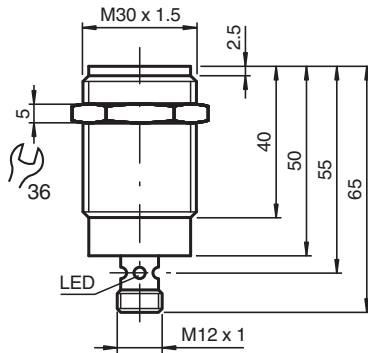
NMB15-30GM65-E2-C4-V1



- 15 mm flush
- Stainless steel sensing face
- Increased operating distance
- Weld Immune



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s _n	15 mm
Installation		flush (Requirements: see drawing below)
Output polarity		DC
Assured operating distance	s _a	0 ... 12.15 mm
Actuating element		Ferrous and nonferrous targets
Reduction factor r _{Al}		0.4
Reduction factor r _{Cu}		0.2
Reduction factor r ₃₀₄		0.85
Reduction factor r _{St37}		1
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V DC
Switching frequency	f	1 Hz
Hysteresis	H	3 ... 15 typ. 10 %

Release date: 2024-05-28 Date of issue: 2024-06-07 Filename: 913606_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

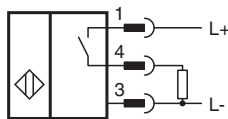
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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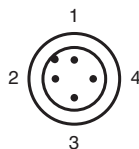
Technical Data

Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 2\text{ V}$
Operating current	I_L	$\leq 200\text{ mA}$
Current consumption		$\leq 10\text{ mA}$
Off-state current	I_r	$\leq 10\text{ }\mu\text{A}$
No-load supply current	I_o	$\leq 15\text{ mA}$
Operating voltage indicator		LED, green
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 IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36\text{ V}$
Ambient conditions		
Ambient temperature		$-25 \dots 70\text{ }^\circ\text{C}$ ($-13 \dots 158\text{ }^\circ\text{F}$)
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
Dimensions		
Length		65 mm
Diameter		30 mm

Connection



Connection Assignment

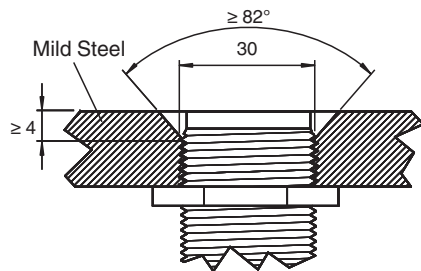


Connection Assignment

Wire colors in accordance with EN 60947-5-2

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

Mounting



Sensor face is flush with mounting surface.