

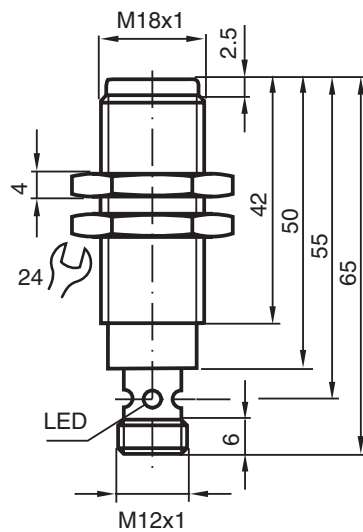
Inductive sensor

NMB10-18GM65-E2-C4-V1

- 10 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	10 mm
Installation		flush (Requirements: see drawing below)
Output polarity		DC
Assured operating distance	s_a	0 ... 8.1 mm
Actuating element		Ferrous and nonferrous targets
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.25
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. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

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

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PEPPERL+FUCHS

Technical Data

Voltage drop	U_d	$\leq 2\text{ V}$
Operating current	I_L	0 ... 200 mA
Current consumption		$\leq 10\text{ mA}$
Off-state current	I_r	$\leq 10\text{ }\mu\text{A}$
No-load supply current	I_0	$\leq 15\text{ mA}$
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 Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 200 mA
CCC approval	CCC approval / marking not required for products rated $\leq 36\text{ V}$

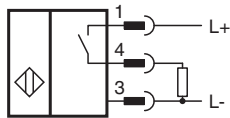
Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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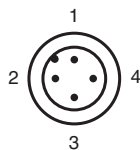
Mechanical specifications

Connection type	Connector plug
Housing material	Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face	Xylan coated - Stainless steel 1.4305 / AISI 303
Degree of protection	IP67
Connector	
Threading	M12 x 1
Number of pins	4
Dimensions	
Length	65 mm
Diameter	18 mm

Connection



Connection Assignment



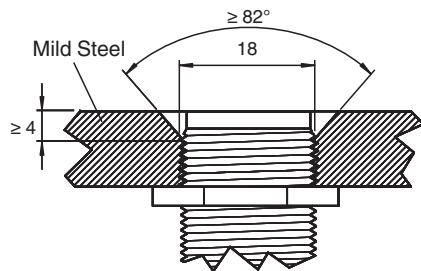
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Connection Assignment

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.