

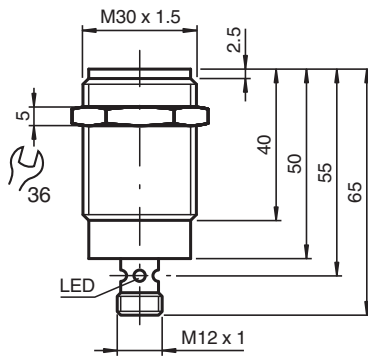


Inductive sensor NMB8-30GM65-E2-C-FE-V1

- Stainless steel sensing face
- Sensing range 8 mm
- 3-wire DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	8 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 6.48 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.6 - 0.8
Reduction factor r_{St37}		1
Reduction factor r_{Brass}		0
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 2 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".

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

Voltage drop	U_d	$\leq 2\text{ V}$
Operating current	I_L	$\leq 200\text{ mA}$
Current consumption		$< 14\text{ mA}$
Off-state current	I_r	$\leq 10\text{ }\mu\text{A}$
Operating voltage indicator		LED, green
Switching state indicator		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 Load Type: General Purpose 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 $\leq 36\text{ V}$

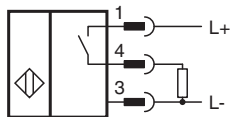
Ambient conditions

Ambient temperature	$-25 \dots 70\text{ }^\circ\text{C}$ ($-13 \dots 158\text{ }^\circ\text{F}$)
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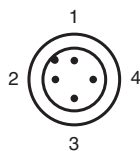
Mechanical specifications

Connection type	V1 connector (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
Dimensions	
Length	40 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)