

Inductive sensor

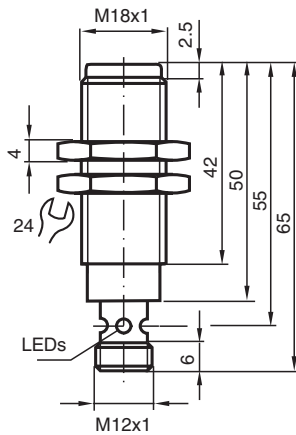
NMB5-18GM65-E3-FE-V1



- Stainless steel sensing face
- Sensing range 5 mm
- 3-wire DC
- Ferrous targets



Dimensions



Technical Data

General specifications

Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s_n	5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 4.05 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
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	15 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes

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

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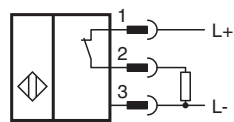
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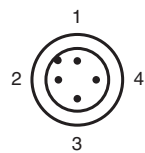
Technical Data

Short-circuit protection		yes
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	$\leq 10\text{ }\mu\text{A}$
Indicators/operating means		
Operation indicator		4-way dual LED Green: power Yellow: output
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		$-40 \dots 70\text{ }^\circ\text{C}$ ($-40 \dots 158\text{ }^\circ\text{F}$)
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
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)