

Inductive sensor

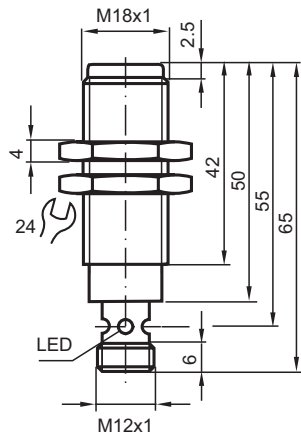
NMB10-18GM65-Z9-V1



- 10 mm flush
- Stainless steel sensing face
- Increased operating distance



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
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		2-wire
Nominal ratings		

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

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Technical Data

Operating voltage	U_B	6 ... 30 V DC
Switching frequency	f	200 Hz
Hysteresis	H	5 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity-conductive
Short-circuit protection		pulsing
Voltage drop	U_d	< 3 V
Operating current	I_L	2 ... 200 mA
Off-state current	I_r	≤ 400 µA
Switching state indicator		LED, yellow

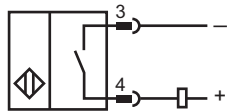
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

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

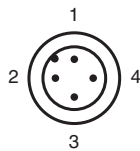
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)

Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

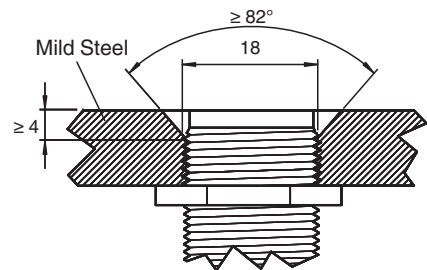
Connection



Connection Assignment



Mounting



Sensor face is flush with mounting surface.

Accessories

	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	AB-18	Mounting aid