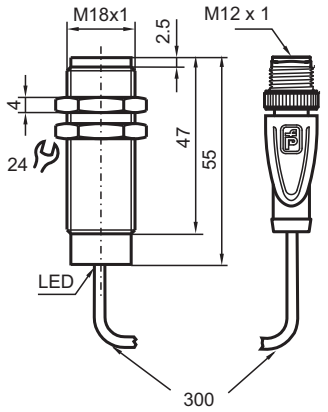


Inductive sensor

NMB10-18GM55-Z9-C4-300MM-V1

- 10 mm flush
- Increased operating distance
- Stainless steel sensing face
- 2-wire DC
- Weld field immune
- Weld slag resistant coating
- Pigtail quick disconnect

Dimensions



Technical Data

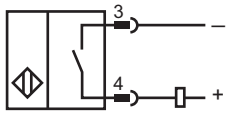
General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 8.1 mm
Actuating element		Ferrous and nonferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.8
Reduction factor r_{St37}		1
Reduction factor r_{Brass}		0
Output type		2-wire

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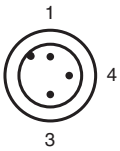
Technical Data

Nominal ratings		
Operating voltage	U_B	6 ... 30 V DC
Switching frequency	f	1 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity-conductive
Short-circuit protection		yes
Voltage drop	U_d	< 3 V DC
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	< 400 µA
Switching state indicator		LED, red
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT
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		300 mm POC cable with 3-pin , M12 x 1 connector
Core cross-section		0.34 mm²
Housing material		Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face		Xylan coated - Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

Connection



Connection Assignment

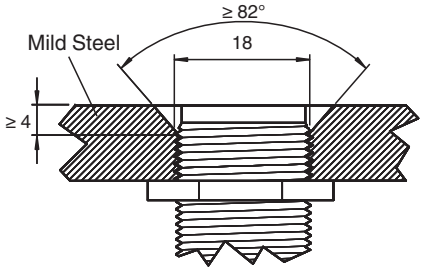


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Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Mounting



Sensor face is flush with mounting surface.

Accessories

	**AB-18**	Mounting aid
	**V1-G-OR2M-POC**	Female cordset single-ended M12 A-coded 4-pin, TPE cable welding-bead resistant orange

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