

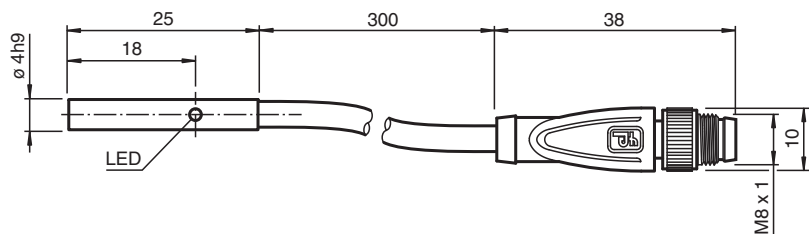
Inductive sensor

NBB1,5-4M25-E2-Y322927

■ Basic series



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s _n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 1.215 mm
Reduction factor r _{Al}		0.46
Reduction factor r _{Cu}		0.41
Reduction factor r ₃₀₄		0.89
Reduction factor r _{Brass}		0.59
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	1 ... 15 %

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

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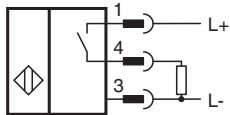
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Technical Data

Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Voltage drop	U_d	$\leq 3 \text{ V}$
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA typ. 0.1 μA at 25 °C
No-load supply current	I_0	$\leq 10 \text{ mA}$
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
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Cable connector with PVC cable 0.3 m , M8 x 1 , 3-pin
Core cross-section		0.14 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		POM
Degree of protection		IP67

Connection



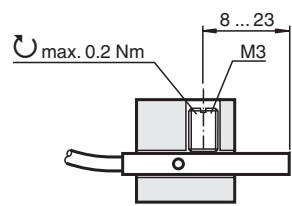
Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

Mounting



Accessories

	BF 4	Mounting flange, 4 mm
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