

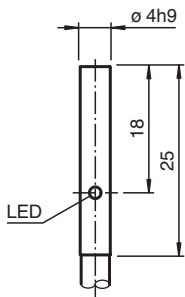
Inductive sensor

NBB1,5-4M25-E3

■ Basic series



Dimensions



Technical Data

General specifications

Switching function		Normally closed (NC)
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

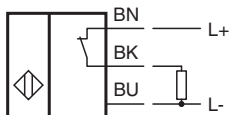
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	1 ... 15 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_o	≤ 10 mA

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Technical Data

Switching state indicator	LED, yellow	
Compliance with standards and directives		
Standard conformity		
Standards	EN IEC 60947-5-2	
Approvals and certificates		
UL approval	cULus 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	cable	
Housing material	Stainless steel 1.4305 / AISI 303	
Sensing face	POM	
Degree of protection	IP67	
Cable		
Wire end ferrules	yes	
Cable diameter	3 mm \pm 0.2 mm	
Bending radius	> 10 x cable diameter	
Material	PVC	
Color	grey	
Number of cores	3	
Core cross section	0.14 mm ²	
Length	L	2 m
Dimensions		
Length	25 mm	
Diameter	4 mm	

Connection Assignment



Mounting

