

Inductive sensor

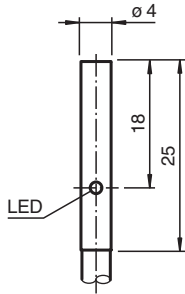
NBB0,8-4M25-E2-Y106003



- 0.8 mm flush
- 3 m connection cable



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	0.8 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 0.648 mm
Reduction factor r_{Al}		0.45
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.77
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
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_0	≤ 10 mA
Switching state indicator		LED, yellow

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Technical Data

Functional safety related parameters

MTTF _d	1400 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

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

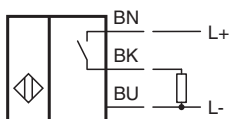
Ambient conditions

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

Connection type	cable	
Housing material	Stainless steel 1.4305 / AISI 303	
Sensing face	PC	
Degree of protection	IP67	
Cable		
Wire end ferrules	yes	
Cable diameter	3 mm - 0.2 mm	
Bending radius	> 12 x cable diameter	
Material	PUR	
Color	black	
Number of cores	3	
Core cross section	0.14 mm ²	
Length	L	3 m
Dimensions		
Length	25 mm	
Diameter	4 mm	

Connection



Mounting

