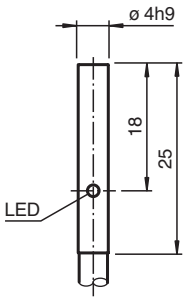


Inductive sensor

NBB1,5-4S25-E2-Y70188867

- Basic series
- 1.5 mm flush
- High switching frequency

Dimensions



Technical Data

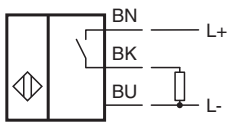
General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Actuating element		mild steel, e. g. 1.0037, SR235JR (formerly St37-2) 5 mm x 5 mm x 1 mm
Reduction factor r_{Al}		0.45
Reduction factor r_{Cu}		0.38
Reduction factor r_{304}		0.78
Reduction factor r_{Brass}		0.53
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	6 ... 30 V
Switching frequency	f	0 ... 6000 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 1 V
Operating current	I_L	0 ... 200 mA

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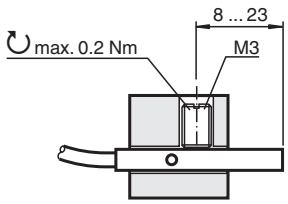
Technical Data

Off-state current	I_r	max. 20 µA
No-load supply current	I_0	≤ 10 mA
Time delay before availability	t_v	≤ 10 ms
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 Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 200 mA
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		cable
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		POM black
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 mm²
Length	L	1 m
Mass		15 g
Dimensions		
Length		25 mm
Diameter		4 mm

Connection Assignment



Mounting



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