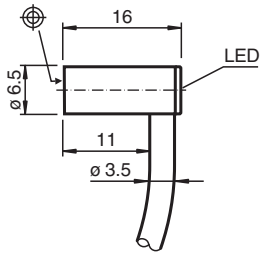


Inductive sensor

NBB2-6,5S16-E2-Y273690

- Basic series
- Increased operating distance

Dimensions



Technical Data

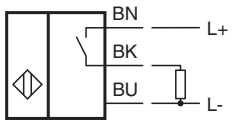
General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.25
Reduction factor r_{304}		0.7
Reduction factor r_{St37}		1
Reduction factor r_{Brass}		0.4
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	≤ 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	≤ 0.1 mA
No-load supply current	I_0	≤ 10 mA

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Technical Data

Switching state indicator		LED
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		PA 12
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.14 mm^2
Length	L	2 m
Dimensions		
Length		16 mm
Diameter		6.5 mm

Connection



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