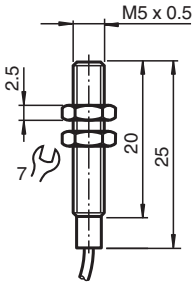
Inductive sensor

NBB0,6-5GS20-E2

- 0.6 mm flush
- Stainless steel housing
- Switching function with stability alarm

Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	0.6 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 0.486 mm
Reduction factor r_{Al}		0.2
Reduction factor r_{Cu}		0.15
Reduction factor r_{304}		0.6
Reduction factor r_{Brass}		0.25
Output type		3-wire
Nominal ratings		
Installation conditions		
A		0 mm
B		0 mm
C		2 mm
F		5 mm
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 5000 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

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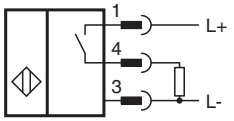
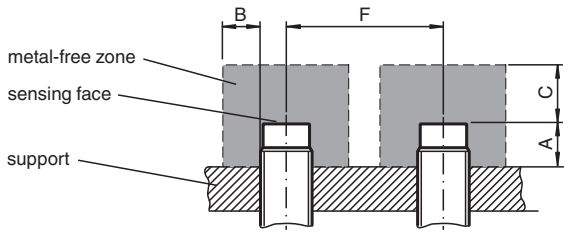
Technical Data

Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA
No-load supply current	I_0	≤ 10 mA
Limit data		
Operating pressure		20 bar (290.1 psi)
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
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 PUR 3 x 0.14 mm² , 2 m
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Sapphire
Degree of protection		IP68
Mass		35 g
Dimensions		
Length		25 mm
Diameter		5 mm

Connection



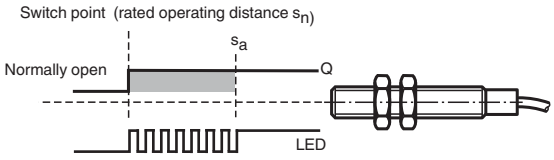
Installation



Function Principle

Stability alarm

Switch point mode with stability alarm



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