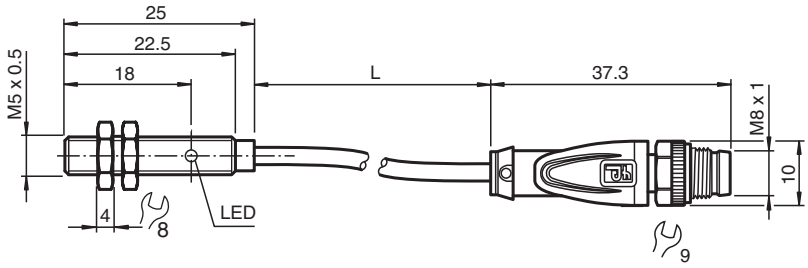


Inductive sensor

NBB1,5-5GM25-E2-0,6M-V3

- Customer-specific cable length

Dimensions



Technical Data

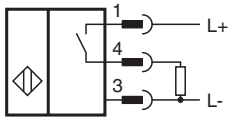
General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.34
Reduction factor r_{304}		0.78
Reduction factor r_{Brass}		0.51
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

Release date: 2026-05-19 Date of issue: 2026-05-19 Filename: 70190932_eng.pdf

Technical Data

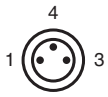
Short-circuit protection		yes
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA typ. 0.1 µA at 25 °C
No-load supply current	I_0	≤ 10 mA
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 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)
Mechanical specifications		
Connection type		fixed cable with plug
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		POM
Degree of protection		IP67
Connector		
Threading		M8 x 1
Tightening torque		≤ 0.4 Nm
Number of pins		3
Cable		
Cable diameter		3 mm - 0.2 mm
Bending radius		> 12 x cable diameter
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.14 mm^2
Length	L	0.6 m
Mass		15 g
Dimensions		
Length		25 mm
Diameter		5 mm

Connection Assignment



Release date: 2026-05-19 Date of issue: 2026-05-19 Filename: 70190932_eng.pdf

Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Release date: 2026-05-19 Date of issue: 2026-05-19 Filename: 70190932_eng.pdf