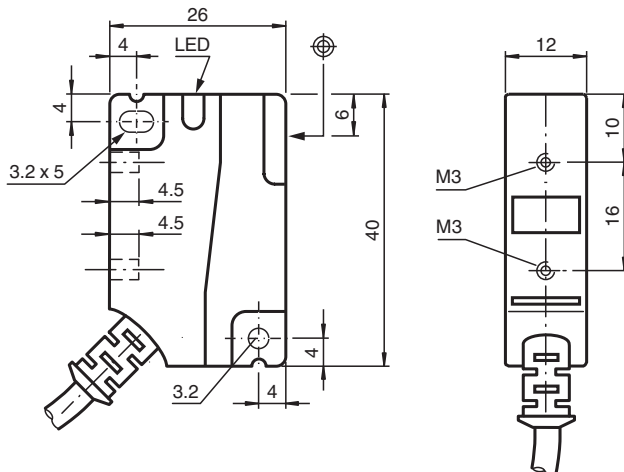


Inductive sensor NBB4-F1-UO

- 4 mm flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		Two-wire
Rated operating distance	s_n	4 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7
Output type		2-wire
Nominal ratings		
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 7 V

Release date: 2025-06-05 Date of issue: 2025-06-05 Filename: 188296_eng.pdf

Technical Data

Momentary current (20 ms, 0.1 Hz)		0 ... 2100 mA
Rated operating current	I_e	4 ... 250 mA AC 4 ... 100 mA DC
Off-state current	I_r	≤ 1.7 mA
No-load supply current	I_0	≤ 4 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Electrical specifications		
Rated operating voltage	U_e	20 ... 250 V AC/DC
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		5.2 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		2
Core cross section		0.5 mm ²
Length	L	2 m
Tightening torque, fastening screws		Threading M3 max: 1.1 Nm
Dimensions		
Height		40 mm
Width		12 mm
Length		26 mm

Connection

