



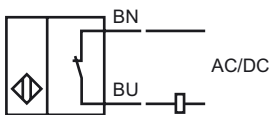
**Model Number**

NBB4-F1-UO

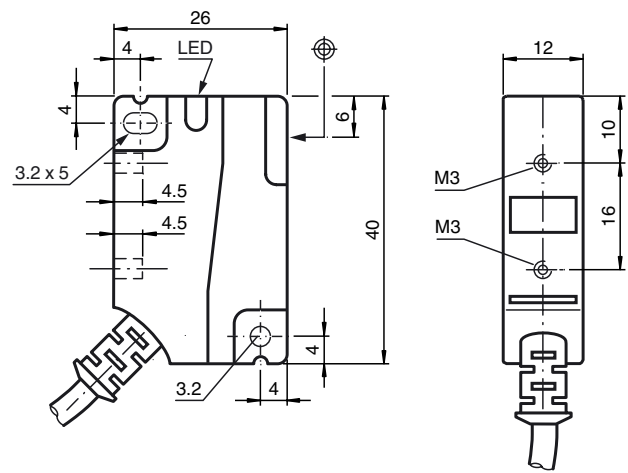
**Features**

- 4 mm flush
- 2-wire AC/DC

**Connection**



**Dimensions**



**Technical Data**

General specifications		
Switching element function		AC/DC NC
Rated operating distance	$s_n$	4 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	$s_a$	0 ... 3.24 mm
Reduction factor $r_{AI}$		0.3
Reduction factor $r_{CU}$		0.2
Reduction factor $r_{304}$		0.7
Nominal ratings		
Operating voltage	$U_B$	20 ... 253 V AC/DC
Switching frequency	$f$	0 ... 25 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 7$ V
Momentary current (20 ms, 0.1 Hz)		0 ... 2100 mA
Operating current	$I_L$	4 ... 250 mA AC 4 ... 100 mA DC
Off-state current	$I_r$	$\leq 1.7$ mA
No-load supply current	$I_0$	$\leq 4$ mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Core cross-section		0.5 mm <sup>2</sup>
Housing material		PA
Sensing face		PA
Protection degree		IP67
Tightening torque, fastening screws		Threading M3 max: 1.1 Nm
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)

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