



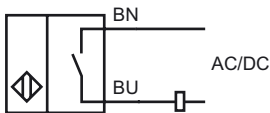
Model Number

NBB4-F1-US

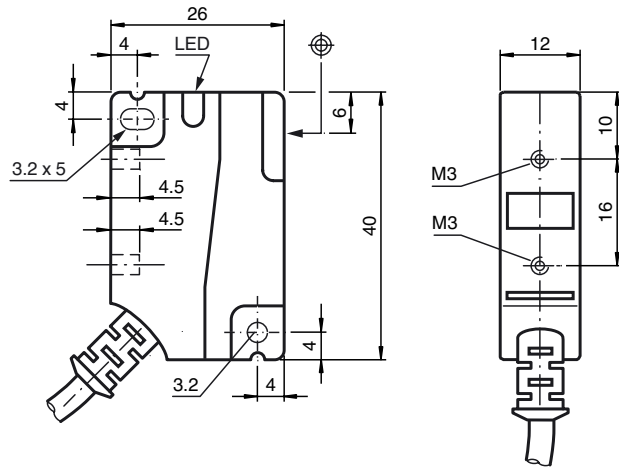
Features

- 4 mm flush
- 2-wire AC/DC

Connection



Dimensions



Technical Data

General specifications

Switching element function		AC/DC	NO
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	≤ 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	≤ 1.7 mA
No-load supply current	I_0	≤ 4 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	cable PVC , 2 m
Core cross-section	0.5 mm ²
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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