

Model Number

NBB2-V3-Z4L

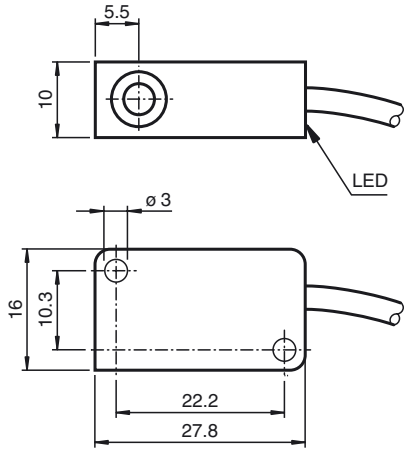
Features

- **2 mm flush**
- **2-wire DC sensor with minimum off-state current**
- **Switching status indicator, yellow LED**

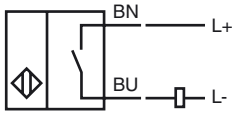
Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.62 mm
Actual operating distance	s_r	2.7 ... 3.3 mm typ.
Reduction factor r_{Al}		0.25
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7
Nominal ratings		
Operating voltage	U_B	3.7 ... 30 V DC
Switching frequency	f	0 ... 700 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3.7 V
Operating current	I_L	2 ... 30 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	≤ 190 µA
Switching state indicator		LED, yellow
Limit data		
Tightening torque, fastening screws		0.4 Nm
Functional safety related parameters		
$MTTF_d$		1880 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PVC , 130 mm
Core cross-section		0.14 mm^2
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

Dimensions



Electrical Connection



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