

Model Number

NBB1,5-8GM40-Z0

Features

- **1.5 mm flush**
- **2-wire DC**

Accessories

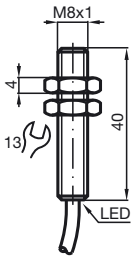
BF 8
Mounting flange, 8 mm

EXG-08
Quick mounting bracket with dead stop

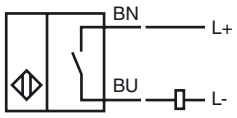
Technical Data

General specifications		
Switching element function		DC NO
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.21 mm
Reduction factor r_{Al}		0.22
Reduction factor r_{Cu}		0.16
Reduction factor r_{304}		0.64
Nominal ratings		
Operating voltage	U_B	5 ... 60 V
Switching frequency	f	0 ... 1200 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Operating current	I_L	2 ... 100 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	0 ... 0.5 mA typ.
Time delay before availability	t_v	≤
Switching state indicator		LED, yellow
Functional safety related parameters		
$MTTF_d$		2950 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 , 2 m
Core cross-section		0.14 mm^2
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		LCP
Degree of protection		IP67
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)

Dimensions



Electrical Connection



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