



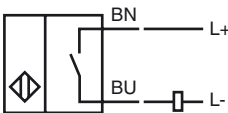
Model Number

NBB5-18GM40-Z0

Features

- 5 mm flush
- 2-wire DC

Connection



Accessories

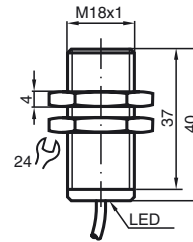
BF 18

Mounting flange, 18 mm

EXG-18

Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications

Switching element function	DC	NO
Rated operating distance	s_n	5 mm
Installation	flush	
Output polarity	DC	
Assured operating distance	s_a	0 ... 4.05 mm
Reduction factor r_{Al}	0.34	
Reduction factor r_{Cu}	0.31	
Reduction factor r_{304}	0.72	

Nominal ratings

Operating voltage	U_B	5 ... 60 V
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protected	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.
Indication of the switching state	all direction LED, yellow	

Functional safety related parameters

MTTF _d	1870 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

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	0.34 mm ²
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	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)