

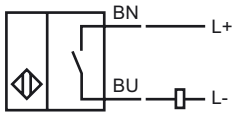
Model Number

NBN8-18GM40-Z0

Features

- **Basic series**
- **8 mm not embeddable**
- **2-wire DC**

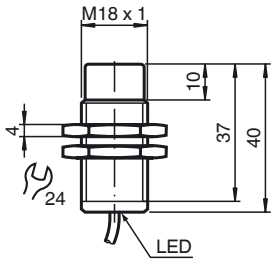
Connection



Accessories

BF 18
Mounting flange, 18 mm

Dimensions



Technical Data

General specifications		
Switching element function		DC NO
Rated operating distance	s_n	8 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 6.5 mm
Reduction factor r_{Al}		0.43
Reduction factor r_{Cu}		0.42
Reduction factor r_{303}		0.73
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
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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)

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