



Model Number

NBN8-18GM50-E0-5M

Features

- 8 mm non-flush

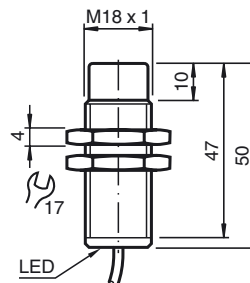
Accessories

BF 18
Mounting flange, 18 mm

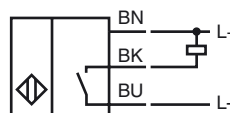
Technical Data

General specifications			
Switching element function		NPN	NO
Rated operating distance	s_n	8 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	s_a	0 ... 6.48 mm	
Reduction factor r_{Al}		0.5	
Reduction factor r_{Cu}		0.4	
Reduction factor r_{304}		0.7	
Nominal ratings			
Operating voltage	U_B	10 ... 30 V	
Switching frequency	f	0 ... 500 Hz	
Hysteresis	H	typ. 5%	
Reverse polarity protection		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	U_d	≤ 3 V	
Operating current	I_L	0 ... 200 mA	
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C	
No-load supply current	I_0	≤ 18 mA	
Switching state indicator		all direction LED, yellow	
Functional safety related parameters			
MTTF _d		1920 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 , 5 m	
Core cross-section		0.34 mm ²	
Housing material		brass, nickel-plated	
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	
Approvals and certificates			
UL approval		cULus Listed, General Purpose	
CSA approval		cCSAus Listed, General Purpose	
CCC approval		CCC approval / marking not required for products rated ≤ 36 V	

Dimensions



Electrical Connection



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