



Model Number

NBN12-18GM35-E2

Features

- Basic series
- 12 mm non-flush
- Increased operating distance

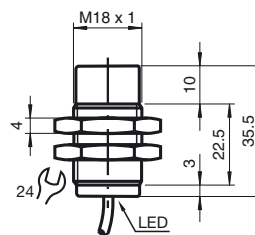
Accessories

BF 18
Mounting flange, 18 mm

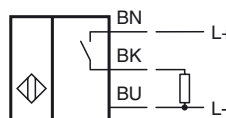
Technical Data

General specifications	
Switching function	Normally open (NO)
Output type	PNP
Rated operating distance	s_n 12 mm
Installation	non-flush
Output polarity	DC
Assured operating distance	s_a 0 ... 9.72 mm
Reduction factor r_{AI}	0.35
Reduction factor r_{CU}	0.35
Reduction factor r_{304}	0.7
Output type	3-wire
Nominal ratings	
Operating voltage	U_B 10 ... 30 V
Switching frequency	f 0 ... 300 Hz
Hysteresis	H typ. 5%
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d \leq 2.5 V
Operating current	I_L 0 ... 100 mA
No-load supply current	I_0 \leq 12 mA
Switching state indicator	all direction LED, yellow
Functional safety related parameters	
MTTF _d	2090 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	0,34 mm ²
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
Cable	
Cable diameter	4.8 mm \pm 0.2 mm
Bending radius	> 10 x cable diameter
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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 \leq 36 V

Dimensions



Electrical Connection



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