



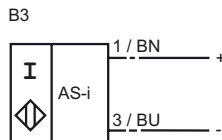
Model Number

NCN8-18GM60-B3

Features

- Comfort series
- 8 mm non-flush
- NO/NC selectable
- Stability control warning

Connection



Accessories

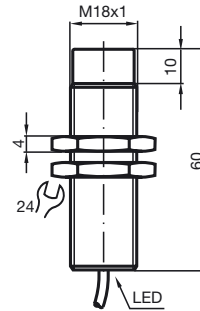
BF 18

Mounting flange, 18 mm

EXG-18

Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications

Switching element function		NO/NC programmable
Rated operating distance	s_n	8 mm
Installation		non-flush
Output polarity		AS-Interface
Assured operating distance	s_a	0 ... 6.48 mm
Reduction factor r_{AI}		0.42
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.72

Nominal ratings

Operating voltage	U_B	26.5 ... 31.9 V via AS-i bus system
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	1 ... 15 typ. 5 %
Reverse polarity protected		tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Off-state current	I_r	0 ... 0.9 mA typ. 0.7 mA
Operating voltage display		LED green
Indication of the switching state		LED, yellow

Standard conformity

Standards	IEC / EN 60947-5-2:2004
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Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Core cross-section	0.34 mm ²
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67

Programming Instructions

Adresse 00	preset, alterable via Bus-master or programming units
IO-code	1
ID-code	1

Data bit

Bit	Function
D0	Switching state
D1	pre-fault signal (dynamic)
D2	ready for operation
D3	not used

Parameter bit

Bit	Function
P0	not used
P1	Switching element function NO* / NC
P2	not used
P3	not used

* Standard setting