



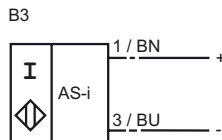
### Model Number

NCB5-18GM60-B3

### Features

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

### Connection

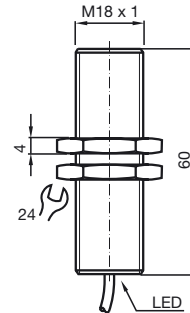


### Accessories

#### BF 18

Mounting flange, 18 mm

## Dimensions



## Technical Data

### General specifications

Switching element function		NO/NC programmable
Rated operating distance	$s_n$	5 mm
Installation		flush
Output polarity		AS-Interface
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{AI}$		0.2
Reduction factor $r_{Cu}$		0.15
Reduction factor $r_{304}$		0.62

### Nominal ratings

Operating voltage	$U_B$	26.5 ... 31.9 V via AS-i bus system
Switching frequency	$f$	0 ... 200 Hz
Hysteresis	$H$	1 ... 15 typ. 5 %
Reverse polarity protected		tolerant
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 5$ V
Off-state current	$I_r$	0 ... 0.9 mA typ. 0.7 mA
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 <sup>2</sup>
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