



CE



### Model Number

NCN8-18GM60-B3-V1

### Features

- Comfort series
- NO/NC selectable
- Stability control warning

### Accessories

#### BF 18

Mounting flange, 18 mm

#### V1-G

Female connector, M12, 4-pin, field attachable

#### V1-W

Female connector, M12, 4-pin, field attachable

#### V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

#### V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

#### EXG-18

Quick mounting bracket with dead stop

## Technical Data

### General specifications

Switching function		Normally open/closed (NO/NC) programmable
Output type		AS-Interface
Rated operating distance	$s_n$	8 mm
Installation		non-flush
Assured operating distance	$s_a$	0 ... 6.48 mm
Actual operating distance	$s_r$	7.2 ... 8.8 mm typ. 8 mm
Reduction factor $r_{AI}$		0.42
Reduction factor $r_{CU}$		0.4
Reduction factor $r_{304}$		0.72
Output type		2-wire

### 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 protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 5$ V
Voltage drop at $I_L$		
Voltage drop $I_L = 20$ mA, switching element on $U_d$		3.4 ... 5 V typ. 4.3 V
Off-state current	$I_r$	0 ... 0.9 mA typ. 0.7 mA
Time delay before availability	$t_v$	$\leq 1000$ ms
Switching state indicator		Multihole-LED, yellow

### Standard conformity

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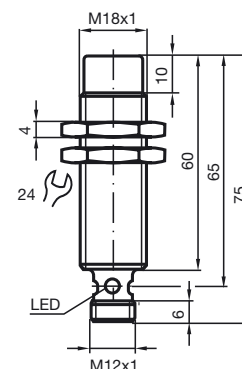
### Ambient conditions

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

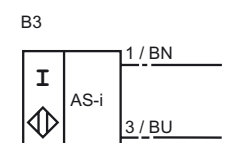
### Mechanical specifications

Housing material	Stainless steel
Sensing face	PBT
Degree of protection	IP67

## Dimensions



## Electrical Connection



**Programming Instructions**

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

**Data bit**

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

**Parameter bit**

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

\* Standard setting