



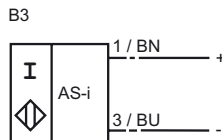
Model Number

NCB5-18GM60-B3-V1

Features

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

Connection



Accessories

BF 18

Mounting flange, 18 mm

V1-W

4-pin, M12 female field-attachable connector

EXG-18

Quick mounting bracket with dead stop

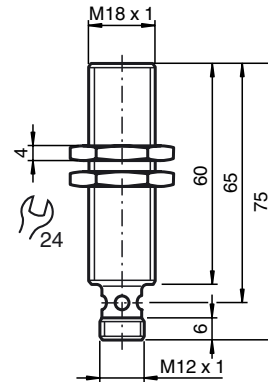
V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

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	≤ 5 V
Off-state current	I_r	0 ... 0.9 mA typ. 0.7 mA
Indication of the switching state		Multihole-LED, yellow

Ambient conditions

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

Mechanical specifications

Connection type	Device connector M12 x 1, 4-pin
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67

Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

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