



CE

**Model Number**

NCB5-18GM60-B3

Features

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

Accessories**BF 18**

Mounting flange, 18 mm

Technical Data**General specifications**

Switching function		Normally open/closed (NO/NC) programmable
Output type		AS-Interface
Rated operating distance	s_n	5 mm
Installation		flush
Assured operating distance	s_a	0 ... 4.05 mm
Actual operating distance	s_r	4.5 ... 5.5 mm typ. 5 mm
Reduction factor r_{AI}		0.2
Reduction factor r_{CU}		0.15
Reduction factor r_{304}		0.62
Output type		2-wire

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 protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 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	≤ 1000 ms
Switching state indicator		LED, yellow

Standard conformity

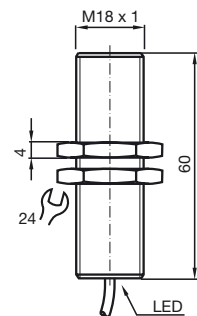
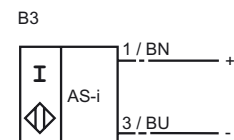
Standards	IEC / EN 60947-5-2:2004
-----------	-------------------------

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
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

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

Release date: 2019-08-23 12:45 Date of issue: 2019-08-23 037236_eng.xml

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk