



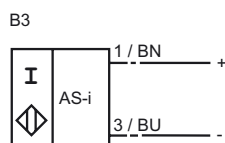
CE

**Model Number**

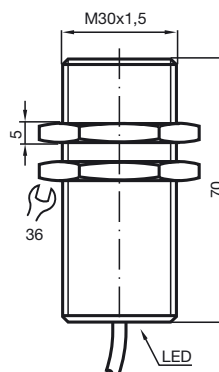
NCB10-30GM70-B3

**Features**

- Comfort series
- 10 mm flush
- NO/NC selectable
- Prefailure message and indicator

**Connection****Accessories****BF 30**

Mounting flange, 30 mm

**Dimensions****Technical Data****General specifications**

Switching element function		NO/NC programmable
Rated operating distance	$s_n$	10 mm
Installation		flush
Output polarity		AS-Interface
Assured operating distance	$s_a$	0 ... 8.1 mm
Reduction factor $r_{Al}$		0.32
Reduction factor $r_{Cu}$		0.32
Reduction factor $r_{304}$		0.72
Reduction factor $r_{Brass}$		0.43

**Nominal ratings**

Nominal voltage	$U_o$	8 V
Operating voltage	$U_B$	26.5 ... 31.9 V via AS-i bus system
Switching frequency	$f$	0 ... 70 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		yes
Current consumption		
Measuring plate not detected		$\geq 3$ mA
Measuring plate detected		$\leq 1$ mA
Operating voltage display		LED green
Indication of the switching state		LED, yellow
Pre-fault indication		LED red

**Standard conformity**

EMC in accordance with	IEC / EN 60947-5-2:2004
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 <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

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