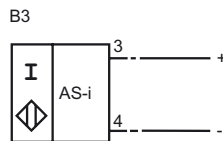
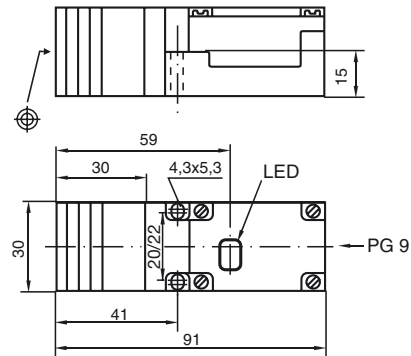


**Model Number**

NCN15-M1A-B3

**Features**

- Comfort series
- 15 mm non-flush
- Adjustable sensor head
- NO/NC selectable
- Prefailure message and indicator

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

Switching element function		NO/NC programmable
Rated operating distance	$s_n$	15 mm
Installation		non-flush
Output polarity		AS-Interface
Assured operating distance	$s_a$	0 ... 12.1 mm
Reduction factor $r_{AI}$		0.38
Reduction factor $r_{Cu}$		0.36
Reduction factor $r_{304}$		0.72

**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 protected		reverse polarity protected
No-load supply current	$I_0$	≤ 25 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow
Pre-fault indication		LED, red

**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	up to 2.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67
Mass	170 g

**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