





Model Number

NBN40-U4L-UU

Features

- Sensor head bidirectional and rotatable
- NO/NC selectable
- **Comfort series**
- 40 mm non-flush
- Metal base with ground connection

Accessories

MHW 01

Modular mounting bracket

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	Technical Data
1	General specifications
	Switching function
	Output type
	Rated operating distant
	Installation
•	Output polarity
	Assured operating dist
	Actual operating distar
	Reduction factor r _{Al}
	Reduction factor r _{Cu}
	Reduction factor rook

rechnical Data		
General specifications		
Switching function		Normally open/closed (NO/NC)
Output type		Two-wire
Rated operating distance	Sn	40 mm
Installation		non-flush
Output polarity		AC/DC
Assured operating distance	Sa	0 32.4 mm
Actual operating distance	s _r	36 44 mm typ. 40 mm
Reduction factor rAI		0.37
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.73
Reduction factor r _{Fe}		1
Reduction factor r _{Brass}		0.4
Output type		2-wire
Nominal ratings		
Switching frequency	f	0 25 Hz
Hysteresis	Н	1 10 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U _d	≤5 V (typ. 2V) DC operation
		≤8 V (typ. 2V) AC operation
Momentary current		0 3000 mA
(20 ms, 0.1 Hz)		
Design data		
Operating current	اِل	5 500 mA
Off-state current	l _r	≤ 1.5 mA
Time delay before availability t_v		≤ 300 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Error indicator		flashes when overcurrent
Electrical specifications		
Rated operating voltage	U_e	24 250 V DC / 24 230 V AC
Operating voltage	U_B	20 300 V DC / 20 253 V AC
Ambient conditions		
Ambient temperature		-25 85 °C (-13 185 °F)
Storage temperature		-25 85 °C (-13 185 °F)
Mechanical specifications		
Connection type		terminal compartment
Information for connection		A maximum of two conductors with the same core cross section
		may be mounted on one terminal connection!
		tightening torque 1.2 Nm + 10 %
Core cross-section		up to 2.5 mm ²
Minimum core cross-section		without wire end ferrule 0.5 mm ² , with connector sleeves 0.34 mm ²
Maximum core cross-section		without wire end ferrule 2.5 mm ² , with connector sleeves 1.5 mm ²

Sensing face Housing base Degree of protection Compliance with standards and

directives

Standard conformity Standards

Housing material

EN 60947-5-2:2007 EN 60947-5-2/A1:2012

IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

PA 6.6 / metal

PA 6.6

Approvals and certificates

Protection class

230 V Rated insulation voltage Rated impulse withstand voltage U_{imp} 2.5 kV

UL approval cULus Listed, General Purpose

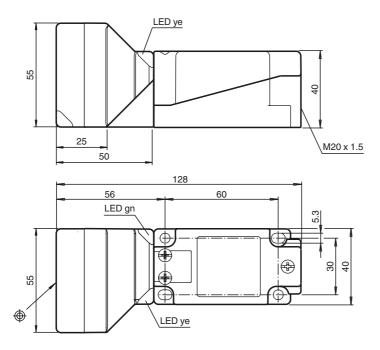
"For use in NFPA 79 Applications only"

For overcurrent protection, install a fuse with a rated current of max. 3 A and at least 300 V AC/DC

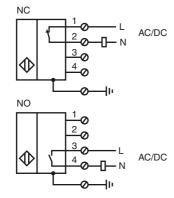
metal / class I equipment with ground connection

Ue 75VDC - 250VDC Ue 75VAC - 230VAC CCC approval

Dimensions



Electrical Connection



Note

The sensor is designed for individual operation. A series or parallel connection of sensors is not permissible.

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