

Model Number

NBN40-L2-Z0-V1

Features

- **Sensor head bidirectional and rotatable**
- **40 mm non-flush**
- **2-wire DC**
- **Quick mounting bracket**

Accessories

V1-G
Female connector, M12, 4-pin, field attachable

V1-W
Female connector, M12, 4-pin, field attachable

V1-G-2M-PUR
Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR
Female cordset, M12, 4-pin, PUR cable

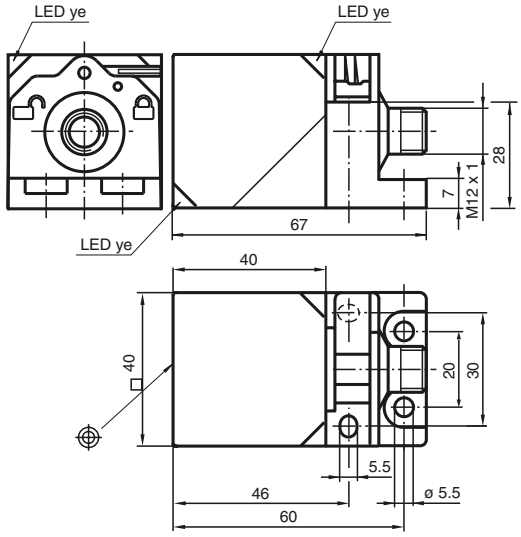
MHW 01
Modular mounting bracket

MH 02-L
Mounting aid

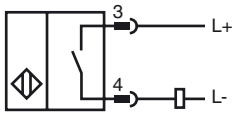
Technical Data

General specifications		
Switching element function		NO contact
Rated operating distance	s_n	40 mm
Installation		non-flush
Assured operating distance	s_a	0 ... 32.4 mm (-25 ... 60 °C (-13 ... 140 °F) 0 ... 30 mm (60 ... 70 °C (140 ... 158 °F)
Reduction factor r_{Al}		0.33
Reduction factor r_{Cu}		0.31
Reduction factor r_{304}		0.75
Reduction factor r_{Brass}		0.41
Nominal ratings		
Operating voltage	U_B	5 ... 30 V DC
Switching frequency	f	0 ... 30 Hz
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA
Switching state indication		LED, yellow
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		PA
Sensing face		PA
Protection degree		IP69K
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V

Dimensions

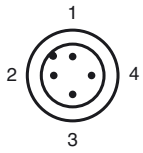


Electrical Connection



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Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

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