









Model Number

NBN40-L2-A2-V1

Features

- Sensor head bidirectional and rotatable
- · 40 mm non-flush
- 4-wire DC
- Quick mounting bracket
- 4-way LED indicator

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

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General specifications			
Switching element function		PNP N	IO/NC
Rated operating distance	s _n	40 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	sa	0 32.4 mm	
Actual operating distance	s _r	36 44 mm	
Reduction factor r _{Al}		0.31	
Reduction factor r _{Cu}		0.3	
Reduction factor r ₃₀₄		0.74	
Reduction factor r _{Brass}		0.39	
Nominal ratings			
Operating voltage	U _B	10 30 V DC	
Switching frequency	f	0 180 Hz	
Hysteresis	Н	typ. 5 %	
Reverse polarity protection		reverse polarity	y protected
Short-circuit protection		pulsing	
Voltage drop	U_d	≤ 2 V	
Operating current	IL	0 200 mA	
Off-state current	l _r	0 0.5 mA	
No-load supply current	I ₀	≤ 20 mA	
Time delay before availability	t_v	80 ms	
Operating voltage indicator		LED, green	
Switching state indicator		LED, yellow	
Functional safety related paramete	rs		
MTTF _d		1230 a	
Mission Time (T _M)		20 a	
Diagnostic Coverage (DC)		0 %	
Ambient conditions			
Ambient temperature		-25 85 °C (-1	
Storage temperature		-40 85 °C (-4	40 185 °F)

Connection type Housing material

Housing material PA
Sensing face PA
Degree of protection IP69K

Compliance with standards and directives

Standard conformity

Technical Data

Standards EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

Mechanical specifications

EAC conformity TR CU 020/2011

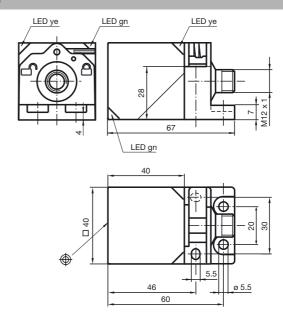
 $\begin{array}{cccc} \text{Protection class} & & \text{II} \\ \text{Rated insulation voltage} & \text{U}_{i} & 253 \text{ V} \\ \text{Rated impulse withstand voltage} & \text{U}_{imp} & 4000 \text{ V} \end{array}$

UL approval cULus Listed, General Purpose

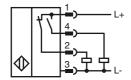
CCC approval CCC approval / marking not required for products rated ≤36 V

Connector M12 x 1, 4-pin

Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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



PEPPERL+FUCHS