





## **Model Number**

### NBN40-U1-A2-V1

#### **Features**

- Sensor head bidirectional and rotatable
- 40 mm non-flush
- 4-wire DC
- 4 LEDs indicator for 360° visibility

#### **Accessories**

#### MH 04-2681F

Mounting aid for VariKont, +U1+ and +U9\*

#### MHW 01

Modular mounting bracket

### 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

## **Technical Data**

## General specifications

	PNP	NO/NC
s <sub>n</sub>	40 mm	
	non-flush	
	DC	
sa	0 32.4 mm	n
	0.31	
	0.3	
	0.74	
	0.39	
		s <sub>n</sub> 40 mm non-flush DC s <sub>a</sub> 0 32.4 mr 0.31 0.3 0.74

Operating voltage U<sub>B</sub> 10 ... 30 V DC Switching frequency f 0 ... 150 Hz Hysteresis H typ. 5 %

Reverse polarity protection reverse polarity protected Short-circuit protection pulsing

Functional safety related parameters

 $\begin{array}{ll} \text{MTTF}_d & 1230 \text{ a} \\ \text{Mission Time } (T_M) & 20 \text{ a} \\ \text{Diagnostic Coverage (DC)} & 0 \% \end{array}$ 

## Ambient conditions

Ambient temperature -25 ... 85 °C (-13 ... 185 °F)

#### Mechanical specifications

Connection type Connector M12 x 1 , 4-pin
Housing material PA/metal with epoxy powder coating
Sensing face PA
Housing base plastic

Degree of protection IP68 / IP69K
Mass 225 g
Note Tightening torque: 1.8 Nm (housing)

## Compliance with standards and directives

Standard conformity

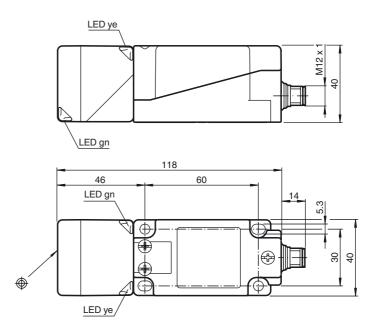
Standards EN 60947-5-2:2007 IEC 60947-5-2:2007

## Approvals and certificates

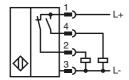
UL approval cULus Listed, General Purpose

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

# **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)

FPEPPERL+FUCHS

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