







Model Number

NBN40-U4-Z2-V1

Features

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

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 04-2681F

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

Technical Data

General specifications

Switching function Output type Rated operating distance Installation Output polarity Assured operating distance Actual operating distance Reduction factor rAI Reduction factor r_{Cu} Reduction factor r₃₀₄ Output type

0.3 0.3 0.7 2-wire

Normally open/closed (NO/NC)

0 ... 32.4 mm 36 ... 44 mm typ. 40 mm

Two-wire 40 mm

non-flush

DC

... 5 V

1170 a

20 a

PA

metal

IP68 / IP69K 225 g

2 ... 200 mA 0 ... 0.5 mA

2 LED, yellow

-25 ... 85 °C (-13 ... 185 °F)

Connector plug M12 x 1 , 4-pin

PA/metal with epoxy powder coating

Tightening torque: 1.8 Nm (housing)

Operating voltage Switching frequency 5 ... 60 V DC 0 ... 100 Hz Hysteresis typ. 5 % Reverse polarity protection reverse polarity tolerant Short-circuit protection pulsing U_d

Voltage drop Voltage drop at IL

Nominal ratings

Voltage drop I_L = 100 mA, switching element on U_d Operating current Off-state current

Switching state indicator Functional safety related parameters

MTTF_d Mission Time (T_M) Diagnostic Coverage (DC) Ambient conditions

Ambient temperature Mechanical specifications

Connection type Housing material Sensing face Housing base Degree of protection Mass Note

Compliance with standards and directives

Standard conformity Standards

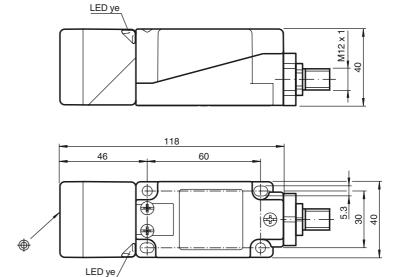
EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

Approvals and certificates

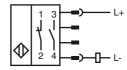
UL approval cULus Listed, General Purpose

Certified by China Compulsory Certification (CCC) CCC approval

Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

FPEPPERL+FUCHS

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