







### **Model Number**

### NBB15-U1-E2

#### **Features**

- Sensor head bidirectional and rotatable
- · 4 LEDs indicator for 360° visibility
- 15 mm flush

#### **Accessories**

#### MHW 01

Modular mounting bracket

#### V1-M20-80

Receptacles, M12/M20; plastic version

#### V1-G

Female connector, M12, 4-pin, field attachable

### V1-W

Female connector, M12, 4-pin, field attachable

## **Technical Data**

General specifications
Switching element functio
Rated operating distance

 $s_n$ 

PNP

15 mm

NO

Reduction factor r<sub>Brass</sub> Nominal ratings

Switching state indicator
Functional safety related parameters

 $\begin{array}{ll} \text{MTTF}_d & \text{1460 a} \\ \text{Mission Time } (T_M) & \text{20 a} \\ \text{Diagnostic Coverage (DC)} & \text{0 } \% \end{array}$ 

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

#### Mechanical specifications

Connection type screw terminals
Information for connection A maximum of two conductors with the same core cross-section

LED, yellow

may be mounted on one terminal connection!

tightening torque 1.2 Nm + 10 %

Core cross-section up to 2.5 mm<sup>2</sup>

Minimum core cross-section without wire end ferrule 0.5 mm², with connector sleeves 0.34 mm²

Maximum core cross-section without wire end ferrule 2.5 mm², with connector sleeves 1.5 mm²

Housing material PA/metal with epoxy powder coating

Housing material PA/metal with 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

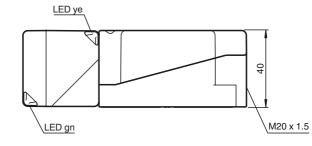
Standards EN 60947-5-2:2007 IEC 60947-5-2:2007

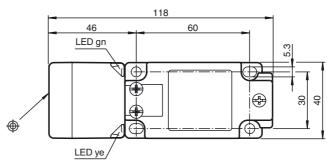
### Approvals and certificates

EAC conformity TR CU 020/2011
UL approval cULus Listed, General Purpose

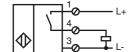
CSA approval cCSAus Listed, General Purpose
CCC approval CCC approval / marking not required for products rated ≤36 V

# **Dimensions**





# **Electrical Connection**



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