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Model Number

NBB15-U1-A2-Y251569

Features

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

Accessories

MHW 01

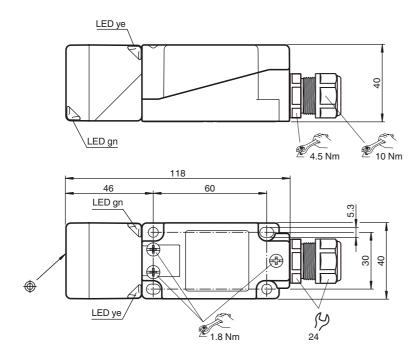
Modular mounting bracket

| Technical Data | | |
|---|----------------|---|
| General specifications | | |
| Switching function | | complementary |
| Output type | | PNP |
| Rated operating distance | Sn | 15 mm |
| Installation | on | flush |
| Output polarity | | DC |
| Assured operating distance | sa | 0 12.15 mm |
| Reduction factor r _{Al} | -a | 0.33 |
| Reduction factor r _{Cu} | | 0.3 |
| Reduction factor r ₃₀₄ | | 0.74 |
| Reduction factor r _{Brass} | | 0.41 |
| Output type | | 4-wire |
| Nominal ratings | | |
| Operating voltage | U_B | 10 30 V |
| Switching frequency | f | 0 200 Hz |
| Hysteresis | Н | typ. 5 % |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U _d | ≤2 V |
| Design data | | 0.000 |
| Operating current | IL. | 0 200 mA |
| Off-state current | l _r | 0 0.5 mA ≤ 20 mA |
| No-load supply current Time delay before availability | l ₀ | \$ 20 ma 80 ms |
| Operating voltage indicator | t_v | LED, green |
| Switching state indicator | | LED, yellow |
| Functional safety related parameter | ers | LLB, yollow |
| MTTF _d | 0.0 | 1230 a |
| Mission Time (T _M) | | 20 a |
| Diagnostic Coverage (DC) | | 0% |
| Ambient conditions | | 0 / 0 |
| Ambient temperature | | -25 85 °C (-13 185 °F) |
| Mechanical specifications | | -25 65 C (-15 165 F) |
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| Connection type Information for connection | | M20 terminal compartment, core cross section ≤ 2.5 mm ² A maximum of two conductors with the same core cross section |
| information for connection | | may be mounted on one terminal connection! |
| | | tightening torque 1.2 Nm + 10 % |
| Core cross-section | | up to 2.5 mm ² |
| Minimum core cross-section | | without wire end ferrule 0.5 mm ² , with connector sleeves 0.34 mm ² |
| Maximum core cross-section | | without wire end ferrule 2.5 mm ² , with connector sleeves 1.5 mm ² |
| 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) |
| | | Tightening torque of double nipple: 4.5 Nm |
| | | Tightening torque of pressure screw: 10 Nm |
| Compliance with standards and | | |
| directives | | |
| Standard conformity | | EN 60047 E 0,0007 |
| Standards | | EN 60947-5-2:2007 EN 60947-5-2/A1:2012 |
| | | IEC 60947-5-2:2007 |
| | | IEC 60947-5-2.2007 IEC 60947-5-2 AMD 1:2012 |
| | | ILO 000 II O L AIVID 1.2012 |

Approvals and certificates

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

Dimensions



Electrical Connection

