

NBB20-U1-UU

Features

- Sensor head bidirectional and rotatable
- · Comfort series
- · 20 mm flush

Accessories

MHW 01

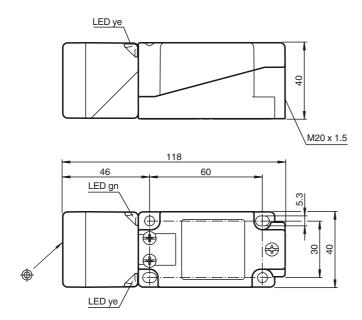
Modular mounting bracket

| Technical Data | | |
|--------------------------------------|------------------|---|
| General specifications | | |
| Switching element function | | AC/DC NO/NC |
| Rated operating distance | s _n | 20 mm |
| Installation | - '' | flush |
| Output polarity | | AC/DC |
| Assured operating distance | Sa | 0 16.2 mm |
| Actual operating distance | sr | 18 22 mm |
| Reduction factor rAI | | 0.4 |
| Reduction factor r _{Cu} | | 0.3 |
| Reduction factor r ₃₀₄ | | 0.77 |
| Reduction factor r _{Fe} | | 1 |
| Reduction factor r _{Brass} | | 0.43 |
| Nominal ratings | | |
| Switching frequency | f | AC, 0 30 Hz DC, 0 100 Hz |
| Hysteresis | Н | 1 10 typ. 5 % |
| Reverse polarity protection | | reverse polarity tolerant |
| Short-circuit protection | | pulsing |
| Voltage drop | U _d | ≤ 5 V (typ. 2V) DC operation |
| | | ≤ 8 V (typ. 3 V) AC operation |
| Momentary current (20 ms, 0.1 Hz) | | 0 3000 mA |
| Operating current | ΙL | 5 500 mA |
| Off-state current | l _r | ≤ 1.5 mA |
| Time delay before availability | t _v | ≤ 300 ms |
| Operating voltage indicator | | LED, green |
| Switching state indicator | | LED, yellow |
| Error indicator | | flashes when overcurrent |
| Electrical specifications | | |
| Rated operating voltage | U_e | 24 250 V DC / 24 230 V AC |
| Operating voltage | U_B | 20 300 V DC / 20 253 V AC |
| Ambient conditions | | |
| Ambient temperature | | -25 85 °C (-13 185 °F) |
| Storage temperature | | -25 85 °C (-13 185 °F) |
| Mechanical specifications | | |
| Connection type | | terminal compartment |
| Core cross-section | | up to 2.5 mm ² |
| Housing material | | PA 6.6 / metal |
| Sensing face | | PA 6.6 |
| Housing base | | plastic |
| Degree of protection | | IP67 |
| Compliance with standards and di | rectives | S |
| Standard conformity | | |
| Standards | | EN 60947-5-2:2007 |
| | | IEC 60947-5-2:2007 |
| Approvals and certificates | | |
| Protection class | | II |
| Rated insulation voltage | Ui | 230 V |
| Rated impulse withstand voltage | U _{imp} | 2.5 kV |
| , | □imp | |
| UL approval | | cULus Listed, General Purpose "For use in NFPA 79 Applications only" For overcurrent protection, install a fuse with a rated current of max |
| | | 3 A and at least 300 V AC/DC |
| CCC approval | | 110 75\/DC 250\/DC 110 75\/AC 220\/AC |

Ue 75VDC - 250VDC Ue 75VAC - 230VAC

CCC approval

Dimensions



Electrical Connection

