



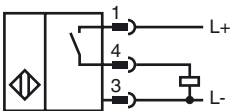
Model Number

NEN40-30GM60-E2-V1

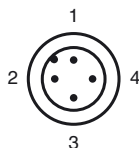
Features

- 40 mm non-flush
- Increased operating distance

Connection



Pinout



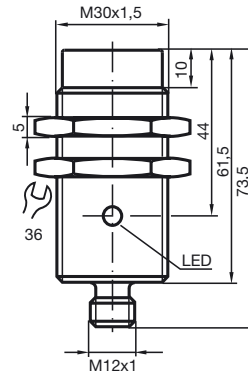
Wire colors in accordance with EN 60947-5-2

| | | |
|---|----|---------|
| 1 | BN | (brown) |
| 2 | WH | (white) |
| 3 | BU | (blue) |
| 4 | BK | (black) |

Accessories

- BF 30**
Mounting flange, 30 mm
- V1-G**
4-pin, M12 female field-attachable connector
- V1-W**
4-pin, M12 female field-attachable connector
- V1-G-2M-PUR**
Cable socket, M12, 4-pin, PUR cable
- V1-W-2M-PUR**
Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data

General specifications

| | | |
|----------------------------|-------|---------------|
| Switching element function | PNP | NO |
| Rated operating distance | s_n | 40 mm |
| Installation | | non-flush |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 32.4 mm |
| Reduction factor r_{Al} | | 0.36 |
| Reduction factor r_{Cu} | | 0.32 |
| Reduction factor r_{304} | | 0.69 |

Nominal ratings

Installation conditions

| | |
|---|--|
| A | in aluminium: 25 mm in steel 1.0037 (St37): 35 mm in brass 25 mm in stainless steel 20 mm |
| B | 40 mm |
| C | 120 mm |
| F | 150 mm |

| | | |
|-----------------------------|-------|--|
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 100 Hz |
| Hysteresis | H | typ. 5% |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 2 V |
| Operating current | I_L | 0 ... 200 mA |
| Off-state current | I_r | 0 ... 0.1 mA typ. 0.1 μ A at 25 °C |
| No-load supply current | I_0 | ≤ 10 mA |
| Switching state indication | | LED, yellow |

Functional safety related parameters

| | |
|--------------------------------|-------|
| MTTF _d | 211 a |
| Mission Time (T _M) | 20 a |
| Diagnostic Coverage (DC) | 0 % |

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|-------------------|----------------------------------|
| Connection type | Device connector M12 x 1 , 4-pin |
| Housing material | chromium plated brass |
| Sensing face | PBT |
| Protection degree | IP67 |

Compliance with standards and directives

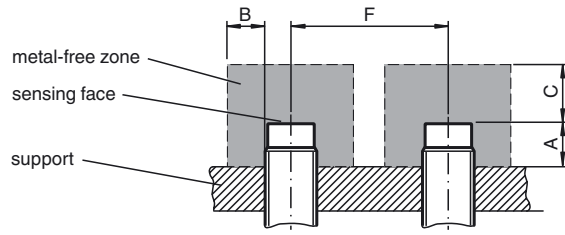
| | |
|---------------------|---|
| Standard conformity | |
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 |

Approvals and certificates

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

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Installation conditions



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