



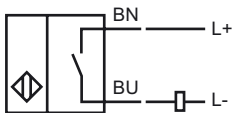
Model Number

NBN8-18GM50-Z0

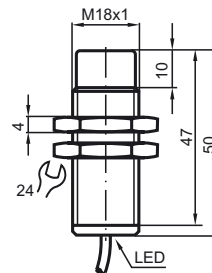
Features

- Basic series
- 8 mm not embeddable

Connection



Dimensions



Technical Data

General specifications

| | | |
|----------------------------|-------|------------------|
| Switching element function | | DC Make function |
| Rated operating distance | s_n | 8 mm |
| Installation | | not embeddable |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 6.5 mm |
| Reduction factor r_{Al} | | 0.43 |
| Reduction factor r_{Cu} | | 0.42 |
| Reduction factor r_{V2A} | | 0.73 |

Nominal ratings

| | | |
|-----------------------------------|-------|---------------------------|
| Operating voltage | U_B | 6 ... 60 V |
| Switching frequency | f | 0 ... 1000 Hz |
| Hysteresis | H | 1 ... 15 typ. 7.5 % |
| Reverse polarity protection | | tolerant |
| Short-circuit protection | | no |
| Voltage drop | U_d | ≤ 6 V |
| Operating current | I_L | 4 ... 100 mA |
| Off-state current | I_r | 0 ... 1 mA typ. 0.7 mA |
| Indication of the switching state | | all direction LED, yellow |

Standard conformity

| | |
|-----------|-------------------------|
| Standards | IEC / EN 60947-5-2:2004 |
|-----------|-------------------------|

Ambient conditions

| | |
|---------------------|-------------------------------|
| Ambient temperature | -25 ... 70 °C (248 ... 343 K) |
|---------------------|-------------------------------|

Mechanical specifications

| | |
|--------------------|----------------------|
| Connection type | 2 m, PVC cable |
| Cable version | PA |
| Core cross-section | 0.34 mm ² |
| Housing material | brass, nickel-plated |
| Sensing face | PBT |
| Protection degree | IP67 |