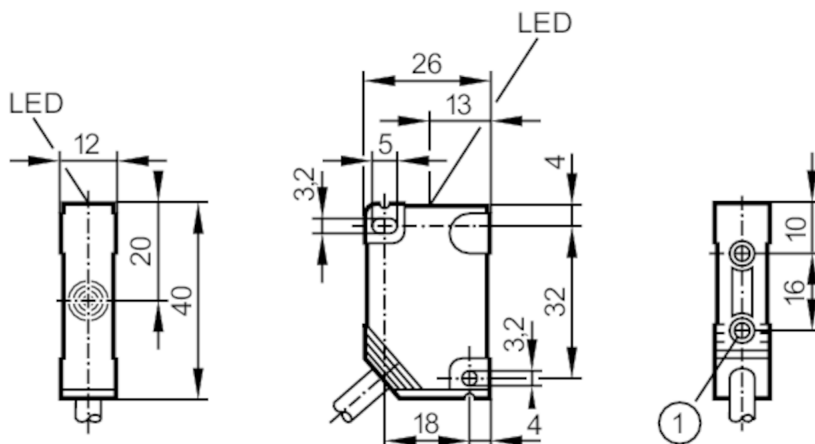


# MN5200



## Magnetic sensor

MN-3060-BPKG/0,15M/AS



- 1 threaded bush M3 Depth 5.8 mm  
Tightening torque maximum 1.2 Nm screw fixing class 8.8  
when brass insert in contact with counterpart



### Product characteristics

|                    |                                |
|--------------------|--------------------------------|
| Electrical design  | PNP                            |
| Output function    | normally open                  |
| Sensing range [mm] | 60; (referred to magnet M 4.0) |
| Housing            | rectangular                    |
| Dimensions [mm]    | 40 x 12 x 26                   |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | < 10       |
| Protection class            | III        |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 200           |
| Switching frequency DC [Hz]                          | 5000          |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                    |                                |
|--------------------|--------------------------------|
| Sensing range [mm] | 60; (referred to magnet M 4.0) |
|--------------------|--------------------------------|

### Accuracy / deviations

|                  |        |
|------------------|--------|
| Hysteresis [X01] | 1...10 |
|------------------|--------|

# MN5200



## Magnetic sensor

MN-3060-BPKG/0,15M/AS

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -40...75 |
| Protection          |      | IP 67    |

### Tests / approvals

|      |                                             |                                |
|------|---------------------------------------------|--------------------------------|
| EMC  | EN 61000-4-2 ESD                            | 4 kV CD / 8 kV AD              |
|      | EN 61000-4-3 HF radiated                    | 10 V/m                         |
|      | EN 61000-4-4 Burst                          | 2 kV                           |
|      | EN 61000-4-5 Surge                          | 0,5 kV line to line, Ri: 2 Ohm |
|      | EN 61000-4-6 HF conducted                   | 10 V                           |
|      | EN 55011                                    | class B                        |
|      | noise immunity according to DIN ISO 11452-2 | 100 V/m                        |
| MTTF | [ANN]                                       | 1961                           |

### Mechanical data

|            |      |              |
|------------|------|--------------|
| Weight     | [g]  | 29           |
| Housing    |      | rectangular  |
| Dimensions | [mm] | 40 x 12 x 26 |
| Materials  |      | housing: PBT |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Remarks

|               |  |        |
|---------------|--|--------|
| Pack quantity |  | 1 pcs. |
|---------------|--|--------|

### Electrical connection - plug

Cable: 0.15 m, PUR; 3 x 0.34 mm<sup>2</sup>

Connector: 1 x M8; coding: A; Locking: knurled nut, rotatable



### Connection

