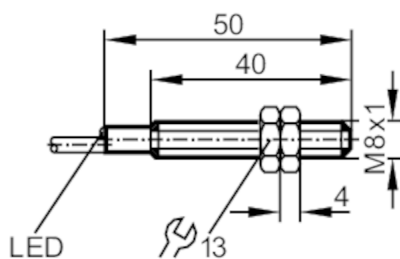


# ME5011



## Magnetic sensor

MEB3060-BPKG/PH



### Product characteristics

|                    |                                |
|--------------------|--------------------------------|
| Electrical design  | PNP                            |
| Output function    | normally open                  |
| Sensing range [mm] | 60; (referred to magnet M 4.0) |
| Housing            | Threaded type                  |
| Dimensions [mm]    | M8 x 1 / L = 50                |

### Electrical data

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Operating voltage [V]       | 10...30 DC; (cULus - Class 2 source required) |
| 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                     | yes (non-latching) |
| Overload protection                                  | yes                |

### Monitoring range

|                           |                                |
|---------------------------|--------------------------------|
| Sensing range [mm]        | 60; (referred to magnet M 4.0) |
| Magnetic sensitivity [mT] | 1.2                            |

### Accuracy / deviations

|                      |        |
|----------------------|--------|
| Hysteresis [% of Sr] | 1...10 |
|----------------------|--------|

### Operating conditions

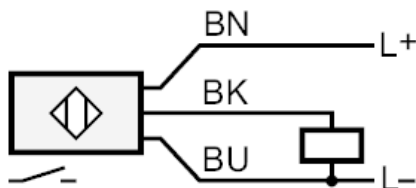
|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...75 |
| Protection               | IP 67    |



Magnetic sensor

MEB3060-BPKG/PH

| 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                                                            |
| MTTF                                            | [years]                   | 1445                                                               |
| Mechanical data                                 |                           |                                                                    |
| Weight                                          | [g]                       | 71                                                                 |
| Housing                                         |                           | Threaded type                                                      |
| Dimensions                                      | [mm]                      | M8 x 1 / L = 50                                                    |
| Thread designation                              |                           | M8 x 1                                                             |
| Material                                        |                           | housing: stainless steel (1.4404 / 316L); sensing face: PBT orange |
| Displays / operating elements                   |                           |                                                                    |
| Display                                         | Switching status          | 1 x LED, yellow                                                    |
| Accessories                                     |                           |                                                                    |
| Items supplied                                  |                           | lock nuts: 2                                                       |
| Remarks                                         |                           |                                                                    |
| Pack quantity                                   |                           | 1 pcs.                                                             |
| Electrical connection                           |                           |                                                                    |
| Cable: 2 m, PUR / PVC; 3 x 0.14 mm <sup>2</sup> |                           |                                                                    |
| Connection                                      |                           |                                                                    |



Core colors :  
BK = black  
BN = brown  
BU = blue