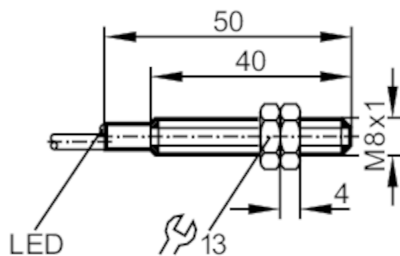


## Magnetic sensor

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; ("supply class 2" to cULus) |
| 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) |
| Response 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]                   | 3052                           |

## Mechanical data

|                    |      |                                                                  |
|--------------------|------|------------------------------------------------------------------|
| Weight             | [g]  | 71                                                               |
| Housing            |      | threaded type                                                    |
| Dimensions         | [mm] | M8 x 1 / L = 50                                                  |
| Thread designation |      | M8 x 1                                                           |
| Materials          |      | housing: stainless steel (316L/1.4404); sensing face: PBT orange |

## Displays / operating elements

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

## Accessories

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

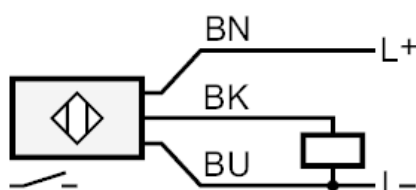
## Remarks

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

## Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.14 mm<sup>2</sup>

## Connection



Core colours :

BK = black

BN = brown

BU = blue