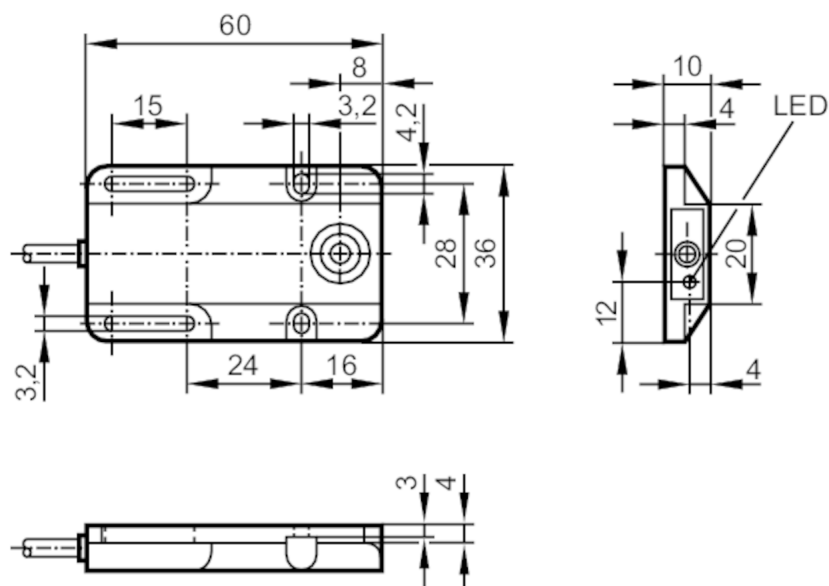


## Inductive sensor

IW-3008-APKG



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP             |
| Output function    | normally closed |
| Sensing range [mm] | 8               |
| Housing            | rectangular     |
| Dimensions [mm]    | 60 x 36 x 10    |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 300             |
| Short-circuit protection                             | yes             |
| Type of short-circuit protection                     | pulsed          |
| Overload protection                                  | yes             |

## Detection zone

|                    |   |
|--------------------|---|
| Sensing range [mm] | 8 |
|--------------------|---|



Inductive sensor

IW-3008-APKG

|                          |      |               |
|--------------------------|------|---------------|
| Real sensing range $S_r$ | [mm] | $8 \pm 10 \%$ |
| Operating distance       | [mm] | 0...6.5       |

|                       |       |                                                                             |
|-----------------------|-------|-----------------------------------------------------------------------------|
| Accuracy / deviations |       |                                                                             |
| Correction factor     |       | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis            | [X01] | 1...15                                                                      |
| Switch point drift    | [X01] | -10...10                                                                    |

|                      |      |          |
|----------------------|------|----------|
| Operating conditions |      |          |
| Ambient temperature  | [°C] | -25...80 |
| Protection           |      | IP 67    |

|                   |       |              |
|-------------------|-------|--------------|
| Tests / approvals |       |              |
| EMC               |       | EN 60947-5-2 |
| MTTF              | [ANN] | 1893         |

|                 |      |                     |
|-----------------|------|---------------------|
| Mechanical data |      |                     |
| Weight          | [g]  | 57.7                |
| Housing         |      | rectangular         |
| Mounting        |      | non-flush mountable |
| Dimensions      | [mm] | 60 x 36 x 10        |
| Materials       |      | PBT                 |

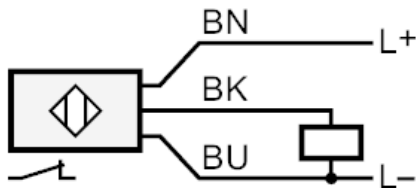
|                               |                  |                 |
|-------------------------------|------------------|-----------------|
| Displays / operating elements |                  |                 |
| Display                       | switching status | 1 x LED, yellow |

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

Electrical connection

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

Connection



|                |       |
|----------------|-------|
| Core colours : |       |
| BN =           | brown |
| BU =           | blue  |
| BK =           | black |