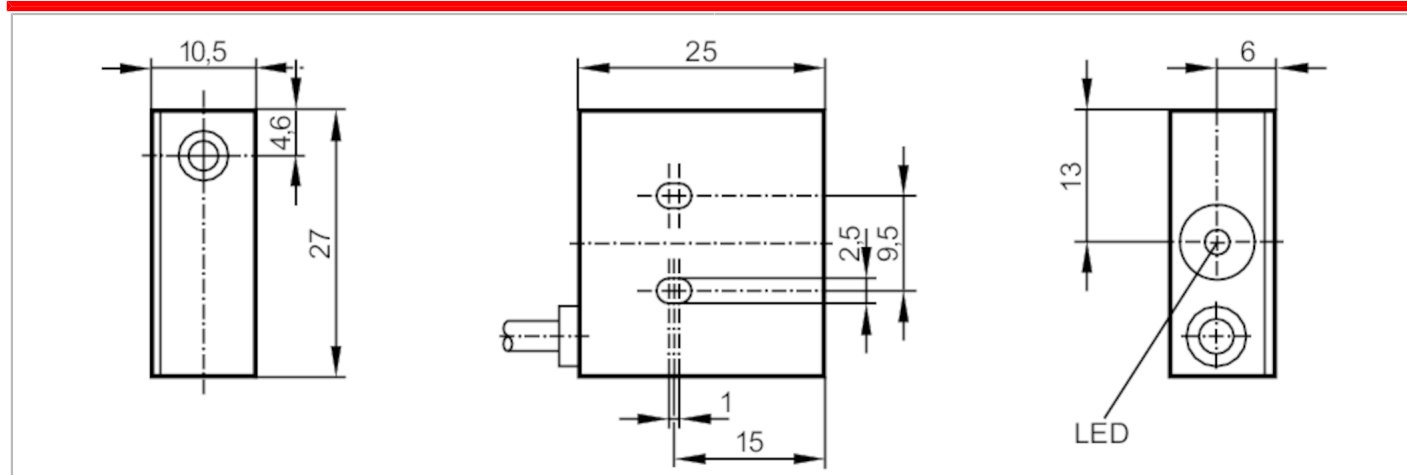




## Inductive sensor

IJ-3002-APKG/0,15M

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## Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | 10; (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] | 200             |
| Switching frequency DC                          | [Hz] | 2000            |
| Short-circuit protection                        |      | yes             |
| Type of short-circuit protection                |      | pulsed          |
| Overload protection                             |      | yes             |

## Detection zone

|                          |      |               |
|--------------------------|------|---------------|
| Sensing range            | [mm] | 2             |
| Real sensing range $S_r$ | [mm] | $2 \pm 10 \%$ |
| Operating distance       | [mm] | 0...1.6       |

## Accuracy / deviations

|                    |               |                                                                             |
|--------------------|---------------|-----------------------------------------------------------------------------|
| Correction factor  |               | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis         | [% of $S_r$ ] | 1...15                                                                      |
| Switch point drift | [% of $S_r$ ] | -10...10                                                                    |

## Operating conditions

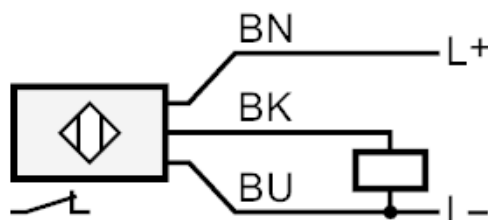
|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |



## Inductive sensor

IJ-3002-APKG/0,15M

| Tests / approvals                |                     |                 |
|----------------------------------|---------------------|-----------------|
| EMC                              | EN 60947-5-2        |                 |
| MTTF                             | [years]             | 2225            |
| Mechanical data                  |                     |                 |
| Weight                           | [g]                 | 21.2            |
| Housing                          | rectangular         |                 |
| Mounting                         | non-flush mountable |                 |
| Dimensions                       | [mm]                | 27 x 10.5 x 25  |
| Materials                        | PA 6.6; PC; TPE-E   |                 |
| Displays / operating elements    |                     |                 |
| Display                          | switching status    | 1 x LED, yellow |
| Remarks                          |                     |                 |
| Pack quantity                    | 1 pcs.              |                 |
| Electrical connection            |                     |                 |
| Cable: 0.15 m, PVC; 3 x 0.14 mm² |                     |                 |
| Connection                       |                     |                 |



Core colours :

BK = black  
 BN = brown  
 BU = blue

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