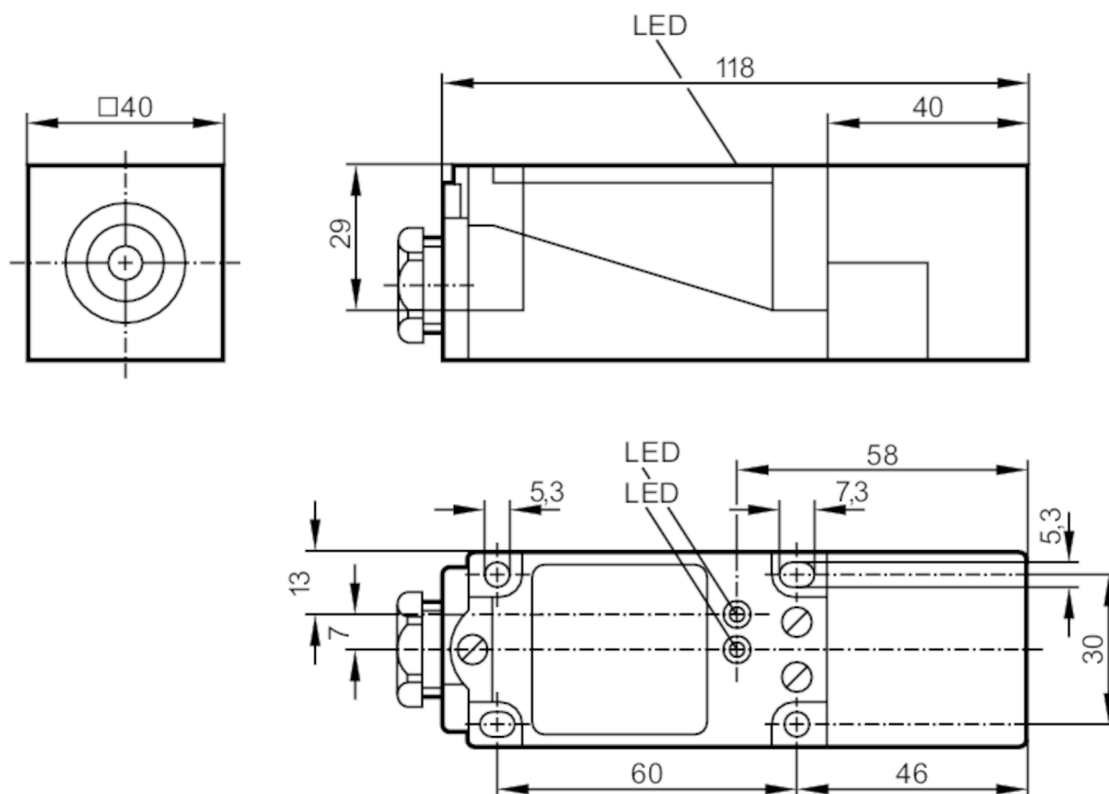


## Inductive sensor

IVE2015UFBOW

Article no longer available - archive entry



## Product characteristics

|                 |      |                                               |
|-----------------|------|-----------------------------------------------|
| Output function |      | normally open / normally closed; (selectable) |
| Sensing range   | [mm] | 15                                            |
| Housing         |      | rectangular                                   |
| Dimensions      | [mm] | 40 x 40 x 118                                 |

## Application

|                       |  |                       |
|-----------------------|--|-----------------------|
| Special feature       |  | Magnetic-field immune |
| Magnetic-field immune |  | yes                   |

## Electrical data

|                             |      |             |
|-----------------------------|------|-------------|
| Frequency AC                | [Hz] | 47...63     |
| Operating voltage           | [V]  | 20...250 AC |
| Protection class            |      | II          |
| Reverse polarity protection |      | no          |

## Outputs

|                                                 |      |                                               |
|-------------------------------------------------|------|-----------------------------------------------|
| Output function                                 |      | normally open / normally closed; (selectable) |
| Max. voltage drop switching output AC           | [V]  | 7                                             |
| Minimum load current                            | [mA] | 10                                            |
| Max. leakage current                            | [mA] | 5                                             |
| Permanent current rating of switching output AC | [mA] | 500                                           |
| Switching frequency AC                          | [Hz] | 25                                            |

**Inductive sensor**

IVE2015UFBOW

|                          |    |
|--------------------------|----|
| Short-circuit protection | no |
| Overload protection      | no |

**Detection zone**

|                          |      |                |
|--------------------------|------|----------------|
| Sensing range            | [mm] | 15             |
| Real sensing range $S_r$ | [mm] | $15 \pm 10 \%$ |
| Operating distance       | [mm] | 0...12.1       |

**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...70 |
| Protection          | IP 67 |          |

**Tests / approvals**

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

**Mechanical data**

|            |                 |               |
|------------|-----------------|---------------|
| Housing    | rectangular     |               |
| Mounting   | flush mountable |               |
| Dimensions | [mm]            | 40 x 40 x 118 |
| Materials  | PBT             |               |

**Displays / operating elements**

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

**Remarks**

|               |                                               |  |
|---------------|-----------------------------------------------|--|
| Remarks       | Cable gland (E11270) to be ordered separately |  |
| Pack quantity | 1 pcs.                                        |  |

**Electrical connection**terminals: ...2.5 mm<sup>2</sup>**Connection**