

# II0218

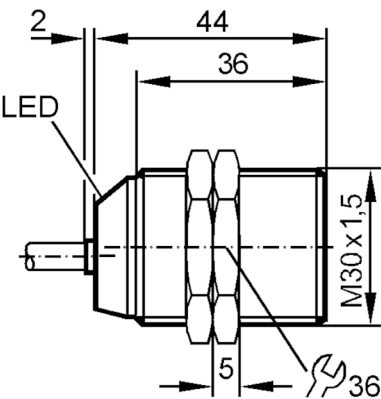


## Inductive sensor

IIC2010-ABOW/3M/PH

Article no longer available - archive entry

Alternative articles: II0215  
When selecting an alternative article and accessories please note that technical data may differ!



| Product characteristics                         |      |                                   |
|-------------------------------------------------|------|-----------------------------------|
| Output function                                 |      | normally open                     |
| Sensing range                                   | [mm] | 10                                |
| Housing                                         |      | threaded type                     |
| Dimensions                                      | [mm] | M30 x 1.5                         |
| Electrical data                                 |      |                                   |
| Frequency AC                                    | [Hz] | 47...63                           |
| Operating voltage                               | [V]  | 20...250 AC                       |
| Current consumption                             | [mA] | < 1,5 (120 V AC) / < 3 (250 V AC) |
| Protection class                                |      | II                                |
| Reverse polarity protection                     |      | yes                               |
| Outputs                                         |      |                                   |
| Output function                                 |      | normally open                     |
| Max. voltage drop switching output AC           | [V]  | 8.5                               |
| Minimum load current                            | [mA] | 5                                 |
| Permanent current rating of switching output AC | [mA] | 100; (150 (...50 °C))             |
| Short-time current rating of switching output   | [mA] | 900; (20 ms / 0,5 Hz)             |
| Switching frequency AC                          | [Hz] | 25                                |

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|                               |                                                                             |                 |
|-------------------------------|-----------------------------------------------------------------------------|-----------------|
| Short-circuit protection      |                                                                             | no              |
| Overload protection           |                                                                             | no              |
| Detection zone                |                                                                             |                 |
| Sensing range                 | [mm]                                                                        | 10              |
| Real sensing range Sr         | [mm]                                                                        | 10 ± 10 %       |
| Operating distance            | [mm]                                                                        | 0...8.1         |
| Accuracy / deviations         |                                                                             |                 |
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |                 |
| Hysteresis                    | [X01]                                                                       | 3...15          |
| Switch point drift            | [X01]                                                                       | -10...10        |
| Operating conditions          |                                                                             |                 |
| Ambient temperature           | [°C]                                                                        | -25...80        |
| Protection                    | IP 67                                                                       |                 |
| Tests / approvals             |                                                                             |                 |
| EMC                           | EN 60947-5-2                                                                |                 |
|                               | EN 55011                                                                    | class B         |
| Mechanical data               |                                                                             |                 |
| Housing                       | threaded type                                                               |                 |
| Mounting                      | flush mountable                                                             |                 |
| Dimensions                    | [mm]                                                                        | M30 x 1.5       |
| Thread designation            | M30 x 1.5                                                                   |                 |
| Materials                     | PBT                                                                         |                 |
| Displays / operating elements |                                                                             |                 |
| Display                       | switching status                                                            | 1 x LED, yellow |
| Аксессуары                    |                                                                             |                 |
| Items supplied                | lock nuts: 2                                                                |                 |
| Remarks                       |                                                                             |                 |
| Pack quantity                 | 1 pcs.                                                                      |                 |

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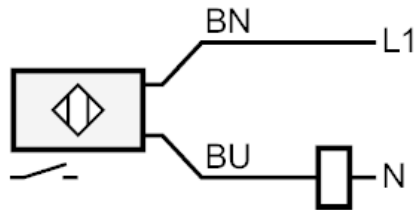
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### Electrical connection

Cable: 3 m, PUR; 2 x 0.5 mm<sup>2</sup>

### Connection



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