

## Inductive sensor

IG-2005-ABOW/ 6m

Article no longer available - archive entry



### Product characteristics

|                 |      |               |
|-----------------|------|---------------|
| Output function |      | normally open |
| Sensing range   | [mm] | 5             |
| Housing         |      | threaded type |
| Dimensions      | [mm] | M18 x 1       |

### 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          |
| Max. voltage drop switching output AC           | [V]  | 5.5                    |
| Minimum load current                            | [mA] | 5                      |
| Max. leakage current                            | [mA] | 2.5                    |
| Permanent current rating of switching output AC | [mA] | 300; (500 (...50 °C))  |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz) |
| Switching frequency AC                          | [Hz] | 20                     |
| Short-circuit protection                        |      | no                     |
| Overload protection                             |      | no                     |

### Detection zone

|               |      |   |
|---------------|------|---|
| Sensing range | [mm] | 5 |
|---------------|------|---|

**Inductive sensor**

IG-2005-ABOW/ 6m

|                          |      |               |
|--------------------------|------|---------------|
| Real sensing range $S_r$ | [mm] | $5 \pm 10 \%$ |
| Operating distance       | [mm] | 0...4.05      |

**Accuracy / deviations**

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

**Operating conditions**

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

**Mechanical data**

|                    |      |                 |
|--------------------|------|-----------------|
| Housing            |      | threaded type   |
| Mounting           |      | flush mountable |
| Dimensions         | [mm] | M18 x 1         |
| Thread designation |      | M18 x 1         |
| Materials          |      | PBT             |

**Displays / operating elements**

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

**Accessories**

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

**Remarks**

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

**Electrical connection**Cable: 6 m, PVC; 2 x 0.5 mm<sup>2</sup>**Connection**

BN = Core colours :  
brown  
BU = blue