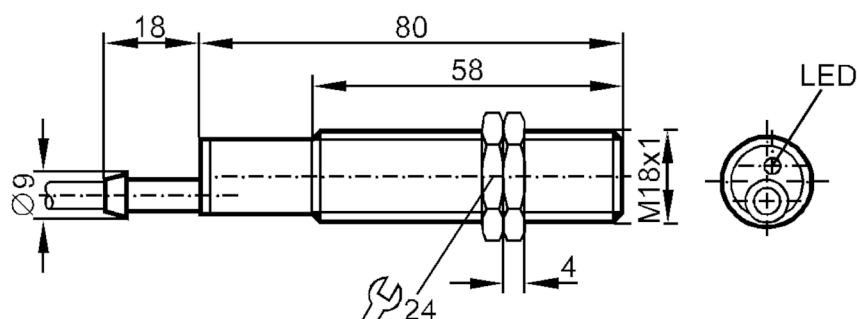


## Inductive sensor

IGA2005-ABOW/10m

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                     |

## Monitoring range

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

# IG0040



## Inductive sensor

IGA2005-ABOW/10m

|                       |      |          |
|-----------------------|------|----------|
| Real sensing range Sr | [mm] | 5 ± 10 % |
| Operating distance    | [mm] | 0...4.05 |

### Accuracy / deviations

|                    |                                                                            |          |
|--------------------|----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3 |          |
| Hysteresis         | [% of Sr]                                                                  | 1...15   |
| Switch-point drift | [% of Sr]                                                                  | -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                  |
| Material           |      | brass nickel-plated; PBT |

### Displays / operating elements

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

### Accessories

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

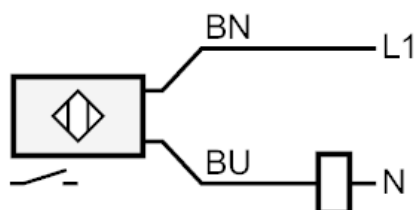
### Remarks

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

### Electrical connection

Cable: 10 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



BN = Core colors :  
brown  
BU = blue