



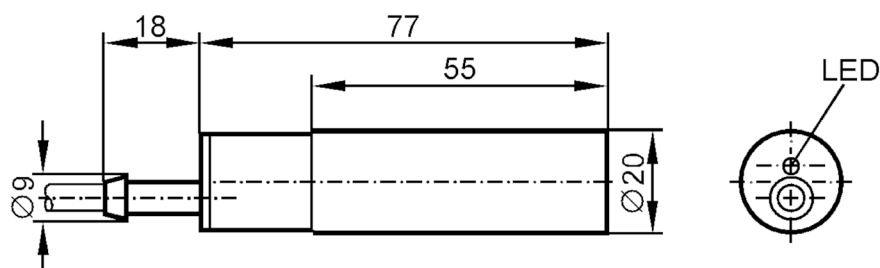
## Inductive sensor

IA-2010-ABOW/Sonderkabel

Article no longer available - archive entry

Alternative articles: IA0004

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         |      | tubular       |
| Dimensions      | [mm] | Ø 20          |

## Electrical data

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

## Outputs

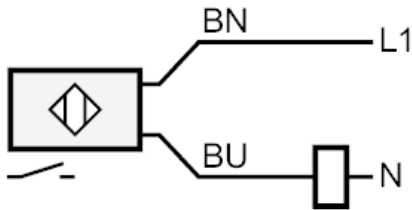
|                                                 |      |                        |
|-------------------------------------------------|------|------------------------|
| Output function                                 |      | normally open          |
| Max. voltage drop switching output AC           | [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                     |



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| Monitoring range              |                  |                                                                            |
|-------------------------------|------------------|----------------------------------------------------------------------------|
| 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: 0.4 / aluminum: 0.3 / copper: 0.2 |
| 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                       |                  | tubular                                                                    |
| Mounting                      |                  | non-flush mountable                                                        |
| Dimensions                    | [mm]             | Ø 20                                                                       |
| Material                      |                  | PBT                                                                        |
| Displays / operating elements |                  |                                                                            |
| Display                       | Switching status | 1 x LED, yellow                                                            |
| Accessories                   |                  |                                                                            |
| Items supplied                |                  | Mounting clamp: 1                                                          |
| Remarks                       |                  |                                                                            |
| Pack quantity                 |                  | 1 pcs.                                                                     |
| Electrical connection         |                  |                                                                            |
| Cable: 2 m; 2 x 0.75 mm²      |                  |                                                                            |
| Connection                    |                  |                                                                            |



BN = Core colors :  
brown  
BU = blue