



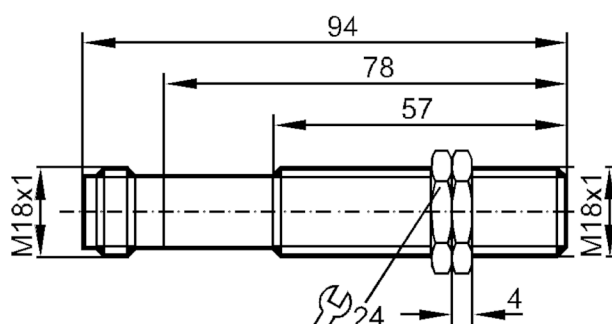
## Inductive sensor

IGA2005LABOA/BS-201-A

Article no longer available - archive entry

Alternative articles: IG0231

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

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

### Electrical data

|                             |     |                |
|-----------------------------|-----|----------------|
| Operating voltage           | [V] | 20...250 AC/DC |
| Reverse polarity protection |     | no             |

### Outputs

|                                                 |      |                                                 |
|-------------------------------------------------|------|-------------------------------------------------|
| Output function                                 |      | normally open                                   |
| Max. voltage drop switching output DC           | [V]  | 6                                               |
| Max. voltage drop switching output AC           | [V]  | 6.5                                             |
| Minimum load current                            | [mA] | 5                                               |
| Max. leakage current                            | [mA] | 2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC) |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C))                           |
| Permanent current rating of switching output DC | [mA] | 100                                             |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                          |
| Switching frequency AC                          | [Hz] | 25                                              |
| Switching frequency DC                          | [Hz] | 50                                              |

# IG0134



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|                                      |                                                                            |
|--------------------------------------|----------------------------------------------------------------------------|
| Short-circuit protection             | no                                                                         |
| Overload protection                  | no                                                                         |
| <b>Monitoring range</b>              |                                                                            |
| Sensing range [mm]                   | 5                                                                          |
| Real sensing range Sr [mm]           | 5 ± 10 %                                                                   |
| Operating distance [mm]              | 0...3.25                                                                   |
| <b>Accuracy / deviations</b>         |                                                                            |
| 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                                                                   |
| <b>Operating conditions</b>          |                                                                            |
| Ambient temperature [°C]             | -25...80                                                                   |
| Protection                           | IP 65                                                                      |
| <b>Mechanical data</b>               |                                                                            |
| Housing                              | Threaded type                                                              |
| Mounting                             | flush mountable                                                            |
| Dimensions [mm]                      | M18 x 1                                                                    |
| Thread designation                   | M18 x 1                                                                    |
| Material                             | brass nickel-plated; PBT                                                   |
| <b>Displays / operating elements</b> |                                                                            |
| Display                              | Switching status 1 x LED, yellow                                           |
| <b>Accessories</b>                   |                                                                            |
| Items supplied                       | lock nuts: 2                                                               |
| <b>Remarks</b>                       |                                                                            |
| Pack quantity                        | 1 pcs.                                                                     |

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### Electrical connection - plug

Connector: 1 x M18; coding: A

