

IIS481

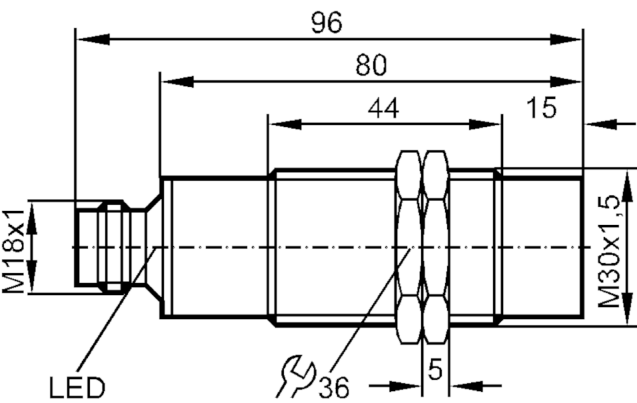


Inductive sensor

IIA3015-APKG/BS-301-APO

Article no longer available - archive entry

Alternative articles: IIS209  
When selecting an alternative article and accessories please note that technical data may differ!



| Product characteristics                         |      |                 |
|-------------------------------------------------|------|-----------------|
| Electrical design                               |      | PNP             |
| Output function                                 |      | normally closed |
| Sensing range                                   | [mm] | 15              |
| Housing                                         |      | Threaded type   |
| Dimensions                                      | [mm] | M30 x 1.5       |
| Electrical data                                 |      |                 |
| Operating voltage                               | [V]  | 10...36 DC      |
| Current consumption                             | [mA] | 15; (24 V)      |
| Protection class                                |      | II              |
| Reverse polarity protection                     |      | yes             |
| Outputs                                         |      |                 |
| Electrical design                               |      | PNP             |
| Output function                                 |      | normally closed |
| Max. voltage drop switching output DC           | [V]  | 2.5             |
| Permanent current rating of switching output DC | [mA] | 250             |
| Switching frequency DC                          | [Hz] | 200             |
| Short-circuit protection                        |      | yes             |



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|                                  |                    |
|----------------------------------|--------------------|
| Type of short-circuit protection | yes (non-latching) |
| Overload protection              | yes                |

| Monitoring range              |                |
|-------------------------------|----------------|
| Sensing range [mm]            | 15             |
| Real sensing range $S_r$ [mm] | $15 \pm 10 \%$ |
| Operating distance [mm]       | 0...12.1       |

| Accuracy / deviations            |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| Correction factor                | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of $S_r$ ]         | 1...15                                                                     |
| Switch-point drift [% of $S_r$ ] | -10...10                                                                   |

| Operating conditions     |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection               | IP 65    |

| Tests / approvals |              |         |
|-------------------|--------------|---------|
| EMC               | EN 60947-5-2 |         |
|                   | EN 55011     | class B |

| Mechanical data    |                            |
|--------------------|----------------------------|
| Housing            | Threaded type              |
| Mounting           | non-flush mountable        |
| Dimensions [mm]    | M30 x 1.5                  |
| Thread designation | M30 x 1.5                  |
| Material           | brass nickel-plated; CO-PC |

| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | Switching status | 1 x LED, yellow |

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

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

## Electrical connection - plug

Connector: 1 x M18; coding: A





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### Connection

