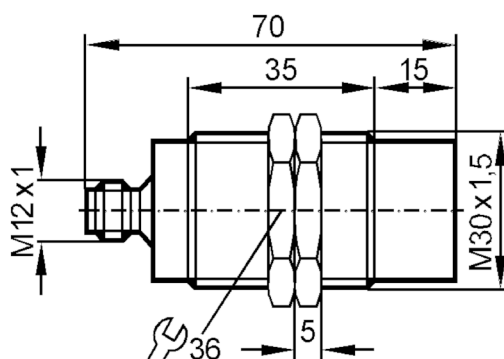


## Inductive sensor

IIA3015-BPKG/V4A/US100DPS

Article no longer available - archive entry



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 15            |
| Housing            | threaded type |
| Dimensions [mm]    | M30 x 1.5     |

## Application

|                 |                      |
|-----------------|----------------------|
| Special feature | Gold-plated contacts |
|-----------------|----------------------|

## 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 open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Switching frequency DC [Hz]                          | 250           |
| Short-circuit protection                             | yes           |



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|                                  |        |
|----------------------------------|--------|
| Type of short-circuit protection | pulsed |
| Overload protection              | yes    |

|                            |           |
|----------------------------|-----------|
| <b>Detection zone</b>      |           |
| Sensing range [mm]         | 15        |
| Real sensing range Sr [mm] | 15 ± 10 % |

|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| <b>Accuracy / deviations</b> |                                                                             |
| Correction factor            | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis [% of Sr]         | 1...15                                                                      |
| Switch point drift [% of Sr] | -10...10                                                                    |

|                             |          |
|-----------------------------|----------|
| <b>Operating conditions</b> |          |
| Ambient temperature [°C]    | -25...80 |
| Protection                  | IP 67    |

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

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Mechanical data</b> |                                     |
| Housing                | threaded type                       |
| Mounting               | non-flush mountable                 |
| Dimensions [mm]        | M30 x 1.5                           |
| Thread designation     | M30 x 1.5                           |
| Materials              | stainless steel (316Ti/1.4571); PBT |

|                    |              |
|--------------------|--------------|
| <b>Accessories</b> |              |
| Items supplied     | lock nuts: 2 |

|                |        |
|----------------|--------|
| <b>Remarks</b> |        |
| Pack quantity  | 1 pcs. |

**Electrical connection - plug**

Connector: 1 x M12; coding: A; Contacts: gold-plated





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### Connection

