# II5893

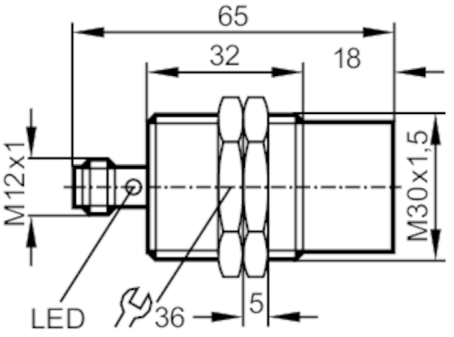
## Inductive sensor

IIK3015UBPKG/K1/SC/US-104-DPS

Article no longer available - archive entry

Alternative articles: IIW201

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




CE

| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 15 |
| Housing | | threaded type |
| Dimensions | [mm] | M30 x 1.5 / L = 66 |
| **Application** | | |
| Special feature | | Correction factor K = 1; Magnetic-field immune |
| Magnetic-field immune | | yes |
| **Electrical data** | | |
| Operating voltage | [V] | 10...30 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] | 3 |
| Permanent current rating of switching output DC | [mA] | 200 |
| Switching frequency DC | [Hz] | 20 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |
| **Detection zone** | | |
| Sensing range | [mm] | 15 |

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| | | | |
|---|---|---|---|
| Real sensing range Sr | [mm] | 15 ± 10 % | |
| Operating distance | [mm] | 0...12.1 | |
| **Accuracy / deviations** | | | |
| Correction factor | | steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminium: 1.1 / copper: 1.1 | |
| Hysteresis | [% of Sr] | 3...15 | |
| Switch point drift | [% of Sr] | -10...10 | |
| Correction factor K = 1 | | yes | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...70 | |
| Protection | | IP 67 | |
| **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 / L = 66 | |
| Thread designation | | M30 x 1.5 | |
| Materials | | brass PTFE coated; sensing face: PPS PTFE coated | |
| **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 M12; coding: A

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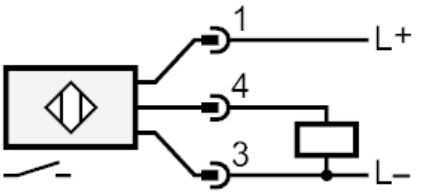
## Connection