

## Inductive sensor

IIB3015-APOG/MS

Article no longer available - archive entry



## 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]       | 18...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | no         |

## 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] | 125; (150 (...50 °C)) |
| Switching frequency DC [Hz]                          | 250                   |
| Short-circuit protection                             | no                    |
| Overload protection                                  | no                    |

## Detection zone

|                            |           |
|----------------------------|-----------|
| Sensing range [mm]         | 15        |
| Real sensing range Sr [mm] | 10 ± 10 % |
| Operating distance [mm]    | 0...8.1   |



## Inductive sensor

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| Accuracy / deviations         |                  |                                                                             |
|-------------------------------|------------------|-----------------------------------------------------------------------------|
| Correction factor             |                  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis                    | [X01]            | 1...15                                                                      |
| Switch point drift            | [X01]            | -10...10                                                                    |
| Operating conditions          |                  |                                                                             |
| Ambient temperature           | [°C]             | -25...80                                                                    |
| Protection                    |                  | IP 67                                                                       |
| Mechanical data               |                  |                                                                             |
| Housing                       |                  | threaded type                                                               |
| Mounting                      |                  | non-flush mountable                                                         |
| Dimensions                    | [mm]             | M30 x 1.5                                                                   |
| Thread designation            |                  | M30 x 1.5                                                                   |
| Materials                     |                  | brass nickel-plated; PBT                                                    |
| Displays / operating elements |                  |                                                                             |
| Display                       | switching status | 1 x LED, yellow                                                             |
| Аксессуары                    |                  |                                                                             |
| Items supplied                |                  | lock nuts: 2                                                                |
| Remarks                       |                  |                                                                             |
| Pack quantity                 |                  | 1 pcs.                                                                      |
| Electrical connection         |                  |                                                                             |
| Cable: 2 m, PVC; 3 x 0.5 mm²  |                  |                                                                             |
| Connection                    |                  |                                                                             |



Core colours :

BN = brown

BU = blue

BK = black