



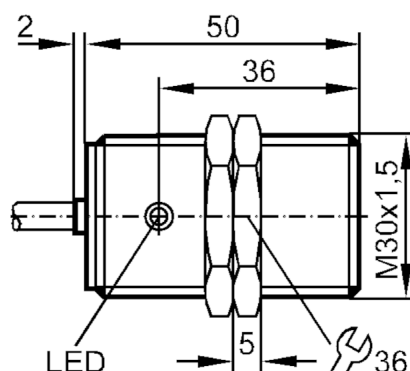
## Inductive sensor

IIB2010-AROG/UP

Article no longer available - archive entry

Alternative articles: II5697

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



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP/NPN       |
| Output function    | normally open |
| Sensing range [mm] | 10            |
| Housing            | Threaded type |
| Dimensions [mm]    | M30 x 1.5     |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Reverse polarity protection | yes        |

## Outputs

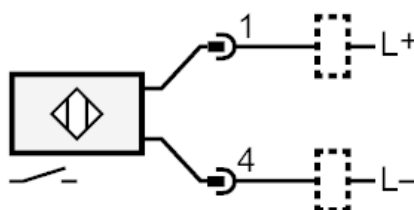
|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP/NPN            |
| Output function                                      | normally open      |
| Max. voltage drop switching output DC [V]            | 4.6                |
| Minimum load current [mA]                            | 4                  |
| Permanent current rating of switching output DC [mA] | 100                |
| Switching frequency DC [Hz]                          | 460                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |



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| Monitoring range                         |                  |                                                                            |
|------------------------------------------|------------------|----------------------------------------------------------------------------|
| Sensing range                            | [mm]             | 10                                                                         |
| Real sensing range Sr                    | [mm]             | 10 ± 10 %                                                                  |
| Operating distance                       | [mm]             | 0...8.1                                                                    |
| Accuracy / deviations                    |                  |                                                                            |
| Correction factor                        |                  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis                               | [% of Sr]        | 3...15                                                                     |
| Switch-point drift                       | [% of Sr]        | -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                                 |                  | flush mountable                                                            |
| Dimensions                               | [mm]             | M30 x 1.5                                                                  |
| Thread designation                       |                  | M30 x 1.5                                                                  |
| Material                                 |                  | brass nickel-plated; sensing face: PBT                                     |
| Displays / operating elements            |                  |                                                                            |
| Display                                  | Switching status | 1 x LED, yellow                                                            |
| Accessories                              |                  |                                                                            |
| Items supplied                           |                  | lock nuts: 2                                                               |
| Remarks                                  |                  |                                                                            |
| Pack quantity                            |                  | 1 pcs.                                                                     |
| Electrical connection                    |                  |                                                                            |
| Cable: 2 m, PVC; 2 x 0.5 mm <sup>2</sup> |                  |                                                                            |
| Connection                               |                  |                                                                            |



BK = Core colors :  
black