

# II5008

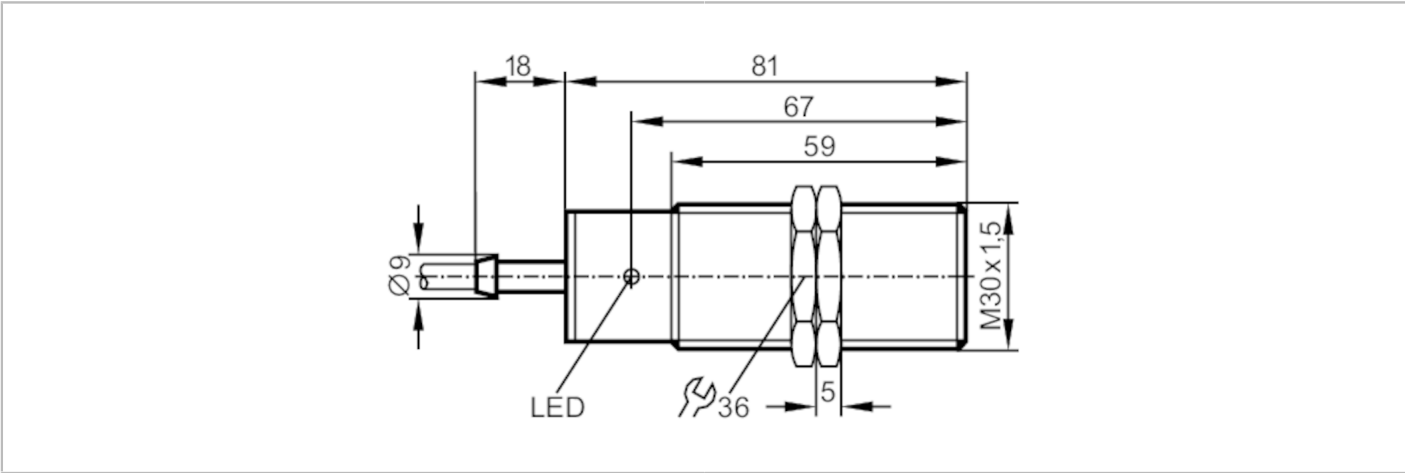


## Inductive sensor

II-3015-BNOG

Article no longer available - archive entry

Alternative articles: II5436  
When selecting an alternative article and accessories please note that technical data may differ!



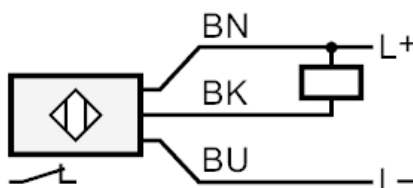
| Product characteristics                         |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | NPN                |
| Output function                                 |      | normally closed    |
| Sensing range                                   | [mm] | 10                 |
| Housing                                         |      | Threaded type      |
| Dimensions                                      | [mm] | M30 x 1.5 / L = 81 |
| Electrical data                                 |      |                    |
| Operating voltage                               | [V]  | 10...55 DC         |
| Protection class                                |      | II                 |
| Reverse polarity protection                     |      | no                 |
| Outputs                                         |      |                    |
| Electrical design                               |      | NPN                |
| Output function                                 |      | normally closed    |
| Max. voltage drop switching output DC           | [V]  | 1                  |
| Max. leakage current                            | [mA] | 7                  |
| Permanent current rating of switching output DC | [mA] | 400                |
| Switching frequency DC                          | [Hz] | 50                 |
| Short-circuit protection                        |      | no                 |
| Overload protection                             |      | no                 |
| Monitoring range                                |      |                    |
| Sensing range                                   | [mm] | 10                 |
| Real sensing range Sr                           | [mm] | 15 ± 10 %          |
| Operating distance                              | [mm] | 0...12.1           |



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| Accuracy / deviations         |           |                                                                            |                    |
|-------------------------------|-----------|----------------------------------------------------------------------------|--------------------|
| Correction factor             |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3 |                    |
| Hysteresis                    | [% of Sr] | 1...15                                                                     |                    |
| Switch-point drift            | [% of Sr] | -10...10                                                                   |                    |
| Operating conditions          |           |                                                                            |                    |
| Ambient temperature           |           | [°C]                                                                       | -25...80           |
| Protection                    |           |                                                                            | IP 67              |
| 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 / L = 81 |
| Thread designation            |           | M30 x 1.5                                                                  |                    |
| Material                      |           | 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; 3 x 0.5 mm²  |           |                                                                            |                    |
| Connection                    |           |                                                                            |                    |



Core colors :  
 BK = black  
 BN = brown  
 BU = blue