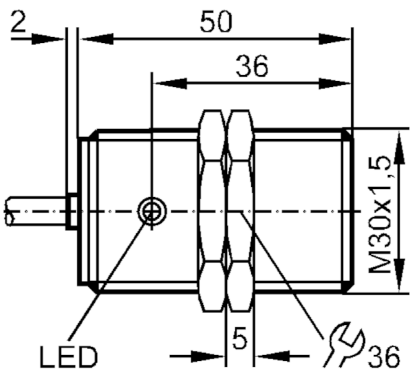




Inductive sensor

IIC2015-ARKG/UP



Product characteristics

|                    |                    |
|--------------------|--------------------|
| Electrical design  | PNP/NPN            |
| Output function    | normally open      |
| Sensing range [mm] | 15                 |
| Housing            | Threaded type      |
| Dimensions [mm]    | M30 x 1.5 / L = 52 |

Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Protection class            | II         |
| 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                  |
| Max. leakage current [mA]                            | 0.6                |
| Permanent current rating of switching output DC [mA] | 150                |
| Switching frequency DC [Hz]                          | 200                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |



## Inductive sensor

IIC2015-ARKG/UP

| Monitoring range              |                  |                                                                            |
|-------------------------------|------------------|----------------------------------------------------------------------------|
| Sensing range                 | [mm]             | 15                                                                         |
| Real sensing range Sr         | [mm]             | 15 ± 10 %                                                                  |
| Operating distance            | [mm]             | 0...12.1                                                                   |
| Accuracy / deviations         |                  |                                                                            |
| Correction factor             |                  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis                    | [% of Sr]        | 3...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                                                                    |
| MTTF                          | [years]          | 2642                                                                       |
| Mechanical data               |                  |                                                                            |
| Weight                        | [g]              | 169                                                                        |
| Housing                       |                  | Threaded type                                                              |
| Mounting                      |                  | non-flush mountable                                                        |
| Dimensions                    | [mm]             | M30 x 1.5 / L = 52                                                         |
| Thread designation            |                  | M30 x 1.5                                                                  |
| Material                      |                  | housing: PBT                                                               |
| Displays / operating elements |                  |                                                                            |
| Display                       | Switching status | 1 x LED, yellow                                                            |
| Accessories                   |                  |                                                                            |
| Items supplied                |                  | lock nuts: 2                                                               |
| Remarks                       |                  |                                                                            |
| Pack quantity                 |                  | 1 pcs.                                                                     |

# II5693



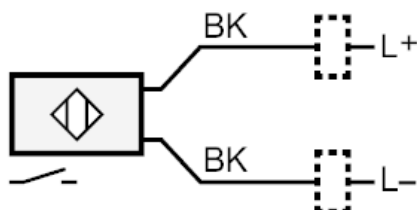
## Inductive sensor

IIC2015-ARKG/UP

### Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



BK =

Core colors :  
black