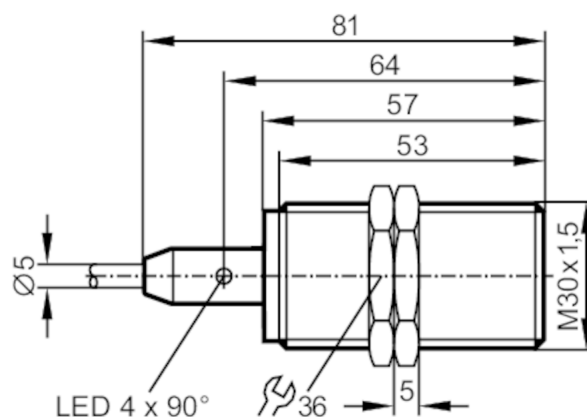


## Inductive sensor

IIK3012BANKG/M/0,6M/ZH

Article no longer available - archive entry



## Product characteristics

|                    |                    |
|--------------------|--------------------|
| Electrical design  | NPN                |
| Output function    | normally open      |
| Sensing range [mm] | 12                 |
| Housing            | threaded type      |
| Dimensions [mm]    | M30 x 1.5 / L = 81 |

## Application

|                 |                                                   |
|-----------------|---------------------------------------------------|
| Special feature | Increased sensing range                           |
| Application     | Застосування в рухомій техніці та складних умовах |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | < 10       |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Max. leakage current [mA]                            | 0.1           |
| Permanent current rating of switching output DC [mA] | 100           |
| Switching frequency DC [Hz]                          | 100           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

## Detection zone

|                    |    |
|--------------------|----|
| Sensing range [mm] | 12 |
|--------------------|----|



## Inductive sensor

IIK3012BANKG/M/0,6M/ZH

|                                      |                           |                                                                              |
|--------------------------------------|---------------------------|------------------------------------------------------------------------------|
| Operating distance                   | [mm]                      | 0...9.72                                                                     |
| Increased sensing range              |                           | yes                                                                          |
| <b>Accuracy / deviations</b>         |                           |                                                                              |
| Correction factor                    |                           | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.45 / copper: 0.4 |
| Hysteresis                           | [X01]                     | 1...20                                                                       |
| <b>Operating conditions</b>          |                           |                                                                              |
| Ambient temperature                  | [°C]                      | -40...85                                                                     |
| Protection                           |                           | IP 67; IP 69K                                                                |
| <b>Tests / approvals</b>             |                           |                                                                              |
| EMC                                  | EN 61000-4-2 ESD          | 4 kV CD / 8 kV AD                                                            |
|                                      | EN 61000-4-3 HF radiated  | 10 V/m 80...1000 MHz                                                         |
|                                      | EN 61000-4-4 Burst        | 2 kV                                                                         |
|                                      | EN 61000-4-5 Surge        | 0,5 kV                                                                       |
|                                      | EN 61000-4-6 HF conducted | 10 V 0,15...80 MHz                                                           |
|                                      | EN 55011                  | class B                                                                      |
| <b>Mechanical data</b>               |                           |                                                                              |
| Weight                               | [g]                       | 0.17                                                                         |
| Housing                              |                           | threaded type                                                                |
| Mounting                             |                           | flush mountable                                                              |
| Dimensions                           | [mm]                      | M30 x 1.5 / L = 81                                                           |
| Thread designation                   |                           | M30 x 1.5                                                                    |
| Materials                            |                           | threaded sleeve: stainless steel; sensing face: PBT orange                   |
| <b>Displays / operating elements</b> |                           |                                                                              |
| Display                              | switching status          | 4 x 90° LED, yellow                                                          |
| <b>Аксессуары</b>                    |                           |                                                                              |
| Items supplied                       |                           | lock nuts: 2                                                                 |
| <b>Remarks</b>                       |                           |                                                                              |
| Pack quantity                        |                           | 1 pcs.                                                                       |

# IIM212



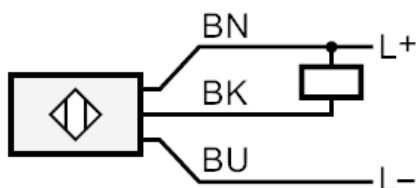
## Inductive sensor

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### Electrical connection

Cable: 0.6 m, PUR

### Connection



|      |                |
|------|----------------|
|      | Core colours : |
| BK = | black          |
| BN = | brown          |
| BU = | blue           |