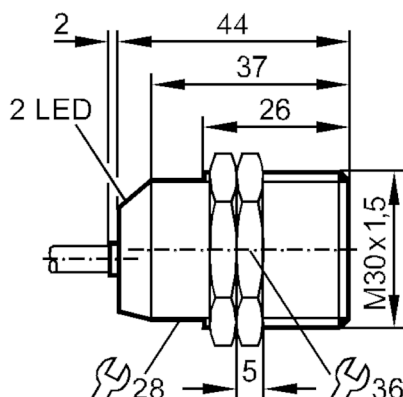




## Inductive sensor

IIB2012BBROG/UP/6M/PH RT

Article no longer available - archive entry



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP/NPN         |
| Output function    | normally closed |
| Sensing range [mm] | 12              |
| Housing            | Threaded type   |
| Dimensions [mm]    | M30 x 1.5       |

## Application

|        |                                              |
|--------|----------------------------------------------|
| System | Increased sensing range; optical setting aid |
|--------|----------------------------------------------|

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Protection class            | II         |
| Reverse polarity protection | no         |

## Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP/NPN         |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 5               |
| Minimum load current [mA]                            | 5               |
| Max. leakage current [mA]                            | 1               |
| Permanent current rating of switching output DC [mA] | 100             |
| Switching frequency DC [Hz]                          | 100             |
| Short-circuit protection                             | no              |



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|                     |    |
|---------------------|----|
| Overload protection | no |
|---------------------|----|

## Monitoring range

|                         |         |
|-------------------------|---------|
| Sensing range [mm]      | 12      |
| Operating distance [mm] | 0...9.7 |
| Increased sensing range | yes     |

## Accuracy / deviations

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Correction factor    | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of Sr] | 1...15                                                                     |

## 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                      |
| Thread designation | M30 x 1.5                      |
| Material           | brass white bronze coated; PBT |

## Displays / operating elements

|                     |                  |              |
|---------------------|------------------|--------------|
| Display             | Switching status | 1 x LED, red |
| Optical setting aid |                  | yes          |

## Accessories

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

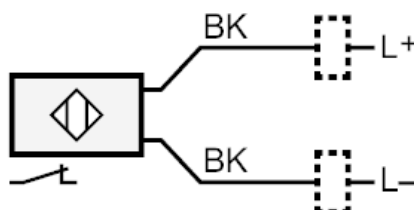
## Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

## Electrical connection

Cable: 3 m, PUR / PVC; 2 x 0.34 mm<sup>2</sup>

## Connection



BK = Core colors :  
black