

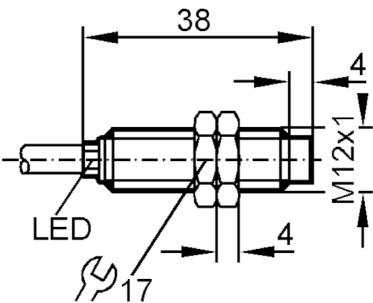
IF6121



Inductive sensor

IFB2008-BRKG/0,26M

customer-specific



Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP/NPN          |
| Output function    | normally closed  |
| Sensing range [mm] | 8                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 38 |

Application

|                 |                         |
|-----------------|-------------------------|
| Special feature | Increased sensing range |
|-----------------|-------------------------|

Electrical data

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

Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP/NPN         |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 3               |
| Permanent current rating of switching output DC [mA] | 100             |
| Short-time current rating of switching output [mA]   | 100             |
| Switching frequency DC [Hz]                          | 110             |
| Short-circuit proof                                  | yes             |

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|                               |           |                                                                             |                 |
|-------------------------------|-----------|-----------------------------------------------------------------------------|-----------------|
| Overload protection           |           | yes                                                                         |                 |
| Detection zone                |           |                                                                             |                 |
| Sensing range                 | [mm]      | 8                                                                           |                 |
| Real sensing range Sr         | [mm]      | 8 ± 10 %                                                                    |                 |
| Operating distance            | [mm]      | 0...6.48                                                                    |                 |
| Increased sensing range       |           | yes                                                                         |                 |
| Accuracy / deviations         |           |                                                                             |                 |
| Correction factor             |           | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |                 |
| Hysteresis                    | [% of Sr] | 3...15                                                                      |                 |
| Switch point drift            | [% of Sr] | -10...10                                                                    |                 |
| Operating conditions          |           |                                                                             |                 |
| Ambient temperature           | [°C]      | -25...70                                                                    |                 |
| Protection                    |           | IP 67                                                                       |                 |
| Tests / approvals             |           |                                                                             |                 |
| EMC                           |           | EN 60947-5-2                                                                |                 |
| Mechanical data               |           |                                                                             |                 |
| Weight                        | [g]       | 35.5                                                                        |                 |
| Housing                       |           | threaded type                                                               |                 |
| Mounting                      |           | non-flush mountable                                                         |                 |
| Dimensions                    | [mm]      | M12 x 1 / L = 38                                                            |                 |
| Thread designation            |           | M12 x 1                                                                     |                 |
| Materials                     |           | housing: brass white bronze coated; sensing face: PBT                       |                 |
| Displays / operating elements |           |                                                                             |                 |
| Display                       |           | switching status                                                            | 1 x LED, yellow |
| Accessories                   |           |                                                                             |                 |
| Items supplied                |           | lock nuts: 2                                                                |                 |
| Remarks                       |           |                                                                             |                 |
| Notes                         |           | customer-specific                                                           |                 |
| Pack quantity                 |           | 1 pcs.                                                                      |                 |

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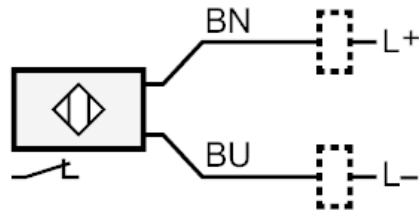
## Inductive sensor

IFB2008-BRKG/0,26M

### Electrical connection

Cable: 0.26 m, PUR; 2 x 0.50 mm<sup>2</sup>

### Connection



BN  
BU

Core colours  
brown  
blue