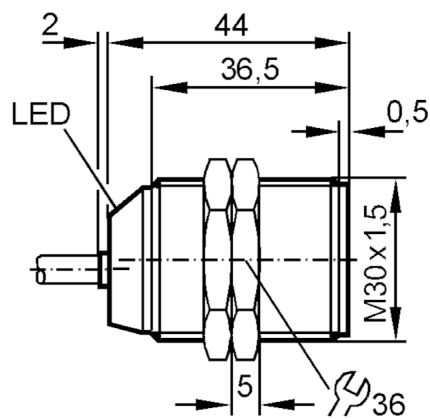




Inductive sensor

IIB3010-BPKG/5M



Product characteristics

|                    |                    |
|--------------------|--------------------|
| Electrical design  | PNP                |
| Output function    | normally open      |
| Sensing range [mm] | 10                 |
| Housing            | Threaded type      |
| Dimensions [mm]    | M30 x 1.5 / L = 46 |

Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | < 15       |
| Protection class            | III        |
| Reverse polarity protection | yes        |

Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Switching frequency DC [Hz]                          | 300           |
| Short-circuit protection                             | yes           |
| Overload protection                                  | yes           |

Monitoring range

|                            |           |
|----------------------------|-----------|
| Sensing range [mm]         | 10        |
| Real sensing range Sr [mm] | 10 ± 10 % |

II5907



Inductive sensor

IIB3010-BPKG/5M

|                    |      |         |
|--------------------|------|---------|
| Operating distance | [mm] | 0...8.1 |
|--------------------|------|---------|

Accuracy / deviations

|                    |           |                                                                            |
|--------------------|-----------|----------------------------------------------------------------------------|
| Correction factor  |           | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis         | [% of Sr] | 1...15                                                                     |
| Switch-point drift | [% of Sr] | -10...10                                                                   |

Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -50...70 |
| Protection          |      | IP 67    |

Tests / approvals

|      |         |              |
|------|---------|--------------|
| EMC  |         | EN 60947-5-2 |
| MTTF | [years] | 1263         |

Mechanical data

|                    |      |                                              |
|--------------------|------|----------------------------------------------|
| Weight             | [g]  | 346.5                                        |
| Housing            |      | Threaded type                                |
| Mounting           |      | flush mountable                              |
| Dimensions         | [mm] | M30 x 1.5 / L = 46                           |
| Thread designation |      | M30 x 1.5                                    |
| Material           |      | brass white bronze coated; sensing face: PBT |

Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

Accessories

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

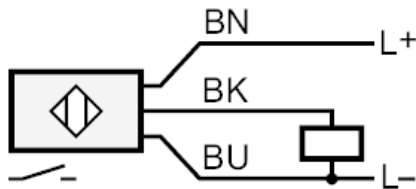
Remarks

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

Electrical connection

Cable: 5 m, PUR; 3 x 0.5 mm²

Connection



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