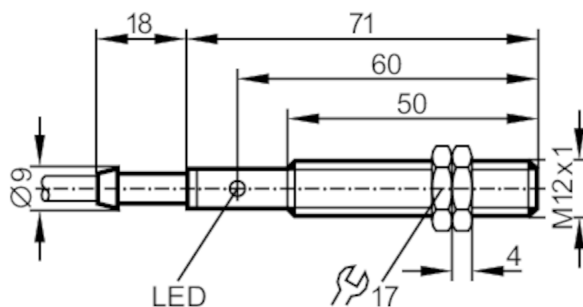


# IF5347



## Inductive sensor

IF-3004-BPKG/10M



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally open    |
| Sensing range [mm] | 4                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 71 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| 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]                          | 400           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 4        |
| Real sensing range Sr [mm] | 4 ± 10 % |
| Operating distance [mm]    | 0...3.25 |

### Accuracy / deviations

|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| Correction factor            | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [% of Sr]         | 1...15                                                                      |
| Switch point drift [% of Sr] | -10...10                                                                    |

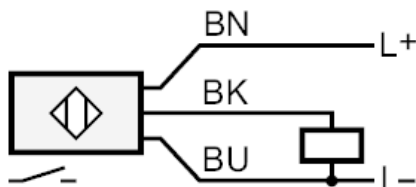
# IF5347



## Inductive sensor

IF-3004-BPKG/10M

| Operating conditions           |                  |                     |
|--------------------------------|------------------|---------------------|
| Ambient temperature            | [°C]             | -25...80            |
| Protection                     |                  | IP 67               |
| Tests / approvals              |                  |                     |
| EMC                            | EN 60947-5-2     |                     |
|                                | EN 55011         | class B             |
| MTTF                           | [years]          | 945                 |
| Mechanical data                |                  |                     |
| Weight                         | [g]              | 371.7               |
| Housing                        |                  | threaded type       |
| Mounting                       |                  | non-flush mountable |
| Dimensions                     | [mm]             | M12 x 1 / L = 71    |
| Thread designation             |                  | M12 x 1             |
| Materials                      |                  | 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: 10 m, PVC; 3 x 0.34 mm² |                  |                     |
| Connection                     |                  |                     |



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