

# IB5137



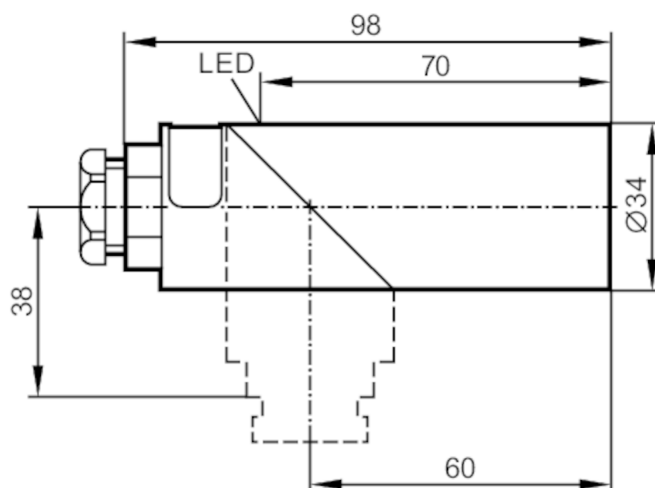
## Inductive sensor

IBE3020-FPKG/F

Article no longer available - archive entry

Alternative articles: IB5063

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

|                    |                                               |
|--------------------|-----------------------------------------------|
| Electrical design  | PNP                                           |
| Output function    | normally open / normally closed; (selectable) |
| Sensing range [mm] | 20                                            |
| Housing            | cylindrical                                   |
| Dimensions [mm]    | Ø 34 / L = 98                                 |

### 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 / normally closed; (selectable) |
| Max. voltage drop switching output DC [V]            | 2.5                                           |
| Permanent current rating of switching output DC [mA] | 250                                           |
| Switching frequency DC [Hz]                          | 350                                           |
| Short-circuit protection                             | yes                                           |
| Type of short-circuit protection                     | pulsed                                        |
| Overload protection                                  | yes                                           |

### Detection zone

|                    |    |
|--------------------|----|
| Sensing range [mm] | 20 |
|--------------------|----|

# IB5137



## Inductive sensor

IBE3020-FPKG/F

|                          |      |           |
|--------------------------|------|-----------|
| Real sensing range $S_r$ | [mm] | 20 ± 10 % |
| Operating distance       | [mm] | 0...16.2  |

### Accuracy / deviations

|                    |                                                                             |          |
|--------------------|-----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |          |
| Hysteresis         | [X01]                                                                       | 1...15   |
| Switch point drift | [X01]                                                                       | -10...10 |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 65    |

### Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Housing    |      | cylindrical         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | Ø 34 / L = 98       |
| Materials  |      | PBT; end cap: PC    |

### Displays / operating elements

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

### Аксессуары

|                |  |                     |
|----------------|--|---------------------|
| Items supplied |  | кріпильні хомути: 1 |
|----------------|--|---------------------|

### Remarks

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

### Electrical connection

terminals: ...2.5 mm<sup>2</sup>

### Connection

