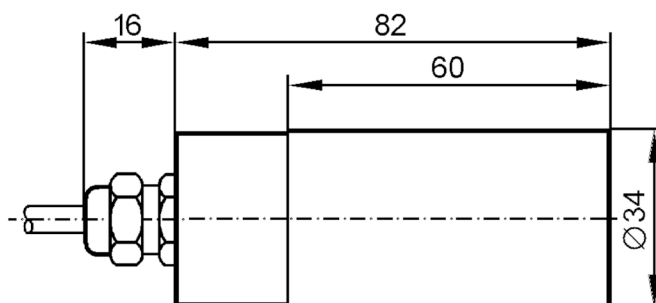




## Inductive sensor

IB-2020-ABOA/SRI/20M/PVC/IP68

Article no longer available - archive entry



### Product characteristics

|                 |      |               |
|-----------------|------|---------------|
| Output function |      | normally open |
| Sensing range   | [mm] | 20            |
| Housing         |      | cylindrical   |
| Dimensions      | [mm] | Ø 34          |

### Electrical data

|                             |     |                |
|-----------------------------|-----|----------------|
| Operating voltage           | [V] | 20...250 AC/DC |
| Protection class            |     | II             |
| Reverse polarity protection |     | no             |

### Outputs

|                                                 |      |                                                 |
|-------------------------------------------------|------|-------------------------------------------------|
| Output function                                 |      | normally open                                   |
| Max. voltage drop switching output DC           | [V]  | 6                                               |
| Max. voltage drop switching output AC           | [V]  | 6.5                                             |
| Minimum load current                            | [mA] | 5                                               |
| Max. leakage current                            | [mA] | 2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC) |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C))                           |
| Permanent current rating of switching output DC | [mA] | 100                                             |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                          |
| Switching frequency AC                          | [Hz] | 25                                              |

# IB4000



## Inductive sensor

IB-2020-ABOA/SRI/20M/PVC/IP68

|                          |      |    |
|--------------------------|------|----|
| Switching frequency DC   | [Hz] | 50 |
| Short-circuit protection |      | no |
| Overload protection      |      | no |

### Detection zone

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

### Accuracy / deviations

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

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 68    |

### Tests / approvals

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

### Mechanical data

|            |      |                          |
|------------|------|--------------------------|
| Housing    |      | cylindrical              |
| Mounting   |      | non-flush mountable      |
| Dimensions | [mm] | Ø 34                     |
| Materials  |      | brass nickel-plated; PPE |

### Аксессуары

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

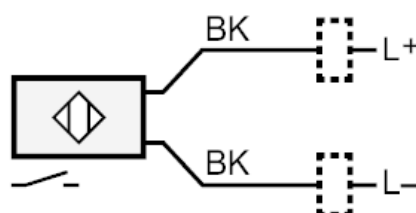
### Remarks

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

### Electrical connection

Cable: 20 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



BK = Core colours :  
black