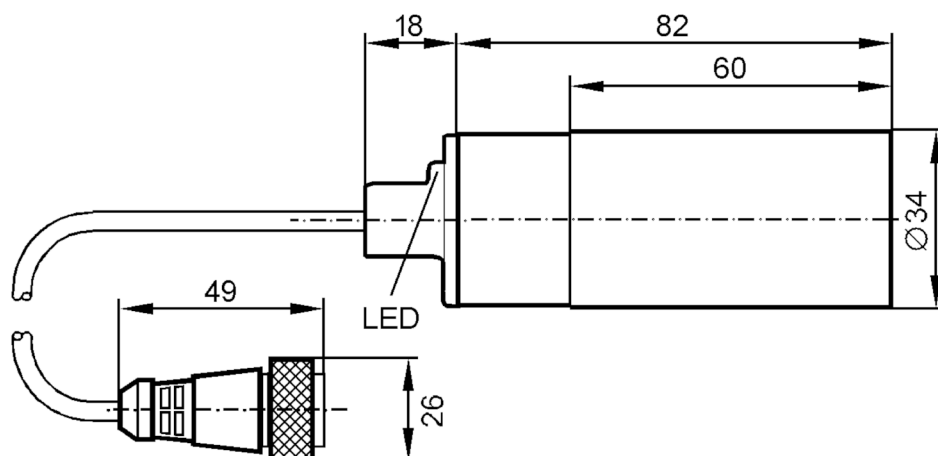


## Inductive sensor

IB-2020-ARKG/2M/PVC/WS

Article no longer available - archive entry



### Product characteristics

|                   |      |               |
|-------------------|------|---------------|
| Electrical design |      | PNP/NPN       |
| Output function   |      | normally open |
| Sensing range     | [mm] | 20            |
| Housing           |      | cylindrical   |
| Dimensions        | [mm] | Ø 34          |

### Electrical data

|                             |      |             |
|-----------------------------|------|-------------|
| Operating voltage           | [V]  | 10...55 DC  |
| Current consumption         | [mA] | 0.6; (24 V) |
| Protection class            |      | II          |
| Reverse polarity protection |      | yes         |

### Outputs

|                                                 |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP/NPN       |
| Output function                                 |      | normally open |
| Max. voltage drop switching output DC           | [V]  | 4.6           |
| Minimum load current                            | [mA] | 4             |
| Max. leakage current                            | [mA] | 0.6           |
| Permanent current rating of switching output DC | [mA] | 400           |
| Switching frequency DC                          | [Hz] | 300           |
| Short-circuit protection                        |      | yes           |

# IB9215



## Inductive sensor

IB-2020-ARKG/2M/PVC/WS

|                                  |        |
|----------------------------------|--------|
| Type of short-circuit protection | pulsed |
| Overload protection              | yes    |

### Detection zone

|                          |      |                |
|--------------------------|------|----------------|
| Sensing range            | [mm] | 20             |
| Real sensing range $S_r$ | [mm] | $20 \pm 10 \%$ |
| 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         | [% of $S_r$ ]                                                               | 3...15   |
| Switch point drift | [% of $S_r$ ]                                                               | -10...10 |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

### Tests / approvals

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

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Housing    |      | cylindrical         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | Ø 34                |
| Materials  |      | PBT                 |

### Displays / operating elements

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

### Accessories

|                |                    |
|----------------|--------------------|
| Items supplied | Mounting clamps: 1 |
|----------------|--------------------|

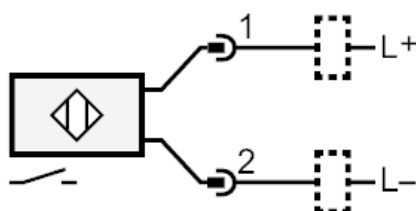
### Remarks

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

### Electrical connection

Cable: 2 m, PVC

### Connection



Connector: 1 x Ø 26 mm