

# IA5051



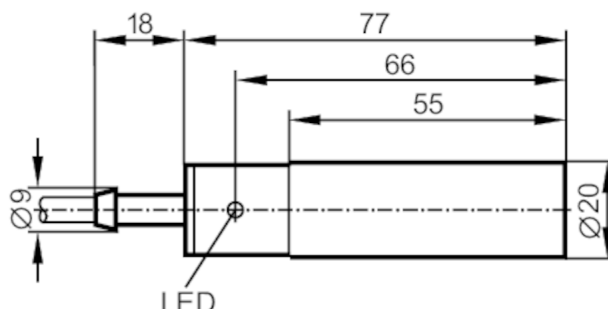
## Inductive sensor

IA-3010-APKG/6M

Article no longer available - archive entry

Alternative articles: IA5052

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



### Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP             |
| Output function    | normally closed |
| Sensing range [mm] | 10              |
| Housing            | cylindrical     |
| Dimensions [mm]    | Ø 20 / L = 77   |

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

### Detection zone

|                            |           |
|----------------------------|-----------|
| Sensing range [mm]         | 10        |
| Real sensing range Sr [mm] | 10 ± 10 % |
| Operating distance [mm]    | 0...8.1   |

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## Inductive sensor

IA-3010-APKG/6M

### 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 67    |

### Tests / approvals

|      |       |              |
|------|-------|--------------|
| EMC  |       | EN 60947-5-2 |
| MTTF | [ANN] | 1844         |

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Weight     | [g]  | 0.354               |
| Housing    |      | cylindrical         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | Ø 20 / L = 77       |
| Materials  |      | PBT                 |

### Displays / operating elements

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

### Аксессуары

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

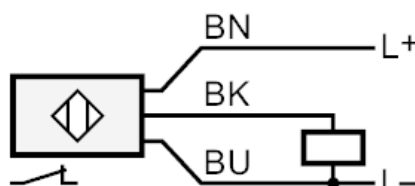
### Remarks

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

### Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



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