



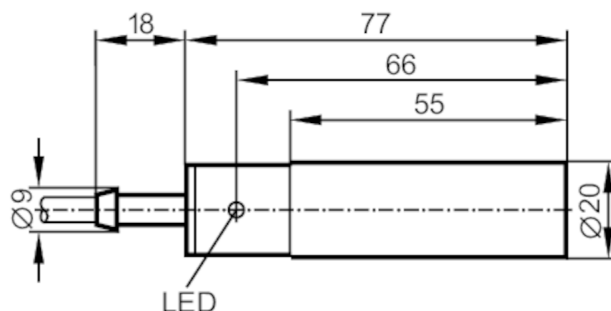
## Inductive sensor

IA-3010-ANKG/10M

Article no longer available - archive entry

Alternative articles: IA5054

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



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | NPN           |
| Output function    | normally open |
| 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                                    | NPN           |
| 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]                          | 300           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

## Detection zone

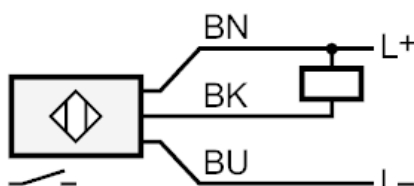
|                               |                |
|-------------------------------|----------------|
| Sensing range [mm]            | 10             |
| Real sensing range $S_r$ [mm] | $10 \pm 10 \%$ |
| Operating distance [mm]       | 0...8.1        |



## Inductive sensor

IA-3010-ANKG/10M

| 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        |
| Operating conditions          |                                                                             |                 |
| Ambient temperature           | [°C]                                                                        | -25...80        |
| Protection                    | IP 67                                                                       |                 |
| Tests / approvals             |                                                                             |                 |
| EMC                           | EN 60947-5-2                                                                |                 |
| MTTF                          | [years]                                                                     | 1781            |
| Mechanical data               |                                                                             |                 |
| Weight                        | [g]                                                                         | 0.514           |
| Housing                       | cylindrical                                                                 |                 |
| Mounting                      | non-flush mountable                                                         |                 |
| Dimensions                    | [mm]                                                                        | Ø 20 / L = 77   |
| 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: 10 m, PVC; 3 x 0.5 mm² |                                                                             |                 |
| Connection                    |                                                                             |                 |



Core colours :

BN = brown

BU = blue

BK = black