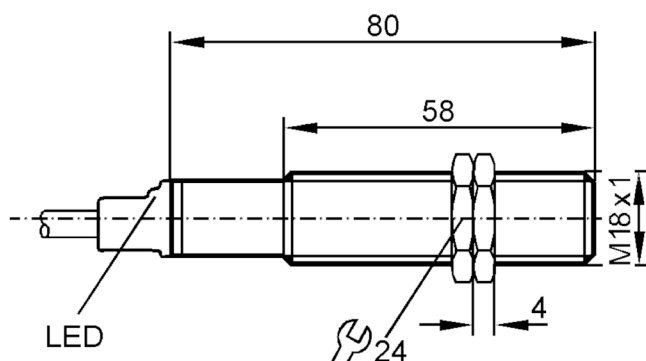


## Inductive sensor

IG-2005-ARKG/10M/PVC

Article no longer available - archive entry



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP/NPN       |
| Output function    | normally open |
| Sensing range [mm] | 5             |
| Housing            | threaded type |
| Dimensions [mm]    | M18 x 1       |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| 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]                          | 700           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |



## Inductive sensor

IG-2005-ARKG/10M/PVC

|                     |     |
|---------------------|-----|
| Overload protection | yes |
|---------------------|-----|

## Detection zone

|                          |      |               |
|--------------------------|------|---------------|
| Sensing range            | [mm] | 5             |
| Real sensing range $S_r$ | [mm] | $5 \pm 10 \%$ |
| Operating distance       | [mm] | 0...4.05      |

## Accuracy / deviations

|                    |                                                                             |          |
|--------------------|-----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |          |
| Hysteresis         | [X01]                                                                       | 3...15   |
| Switch point drift | [X01]                                                                       | -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            |      | threaded type   |
| Mounting           |      | flush mountable |
| Dimensions         | [mm] | M18 x 1         |
| Thread designation |      | M18 x 1         |
| Materials          |      | PBT             |

## Displays / operating elements

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

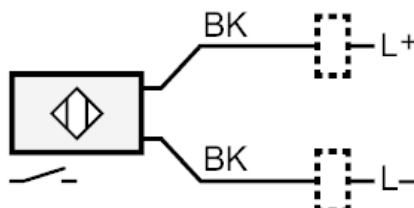
## Remarks

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

## Electrical connection

Cable: 10 m, PVC; 2 x 0.34 mm<sup>2</sup>

## Connection



BK = Core colours :  
black