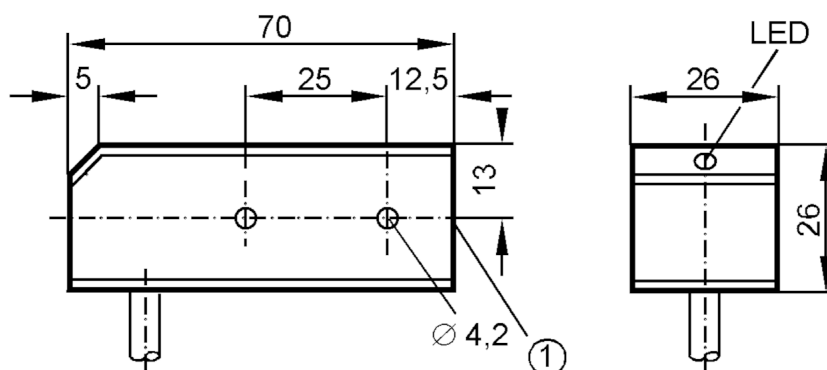




## Inductive sensor

IO-2010-ARKG/PUR

Article no longer available - archive entry



1 Sensing face



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP/NPN       |
| Output function    | normally open |
| Sensing range [mm] | 10            |
| Housing            | rectangular   |
| Dimensions [mm]    | 26 x 26 x 70  |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP/NPN       |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 6.5           |
| Minimum load current [mA]                            | 5             |
| Max. leakage current [mA]                            | 0.6           |
| Permanent current rating of switching output DC [mA] | 100           |
| Switching frequency DC [Hz]                          | 100           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |



## Inductive sensor

IO-2010-ARKG/PUR

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

| Detection zone |  |
|----------------|--|
|----------------|--|

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

| 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    |      | rectangular     |
| Mounting   |      | flush mountable |
| Dimensions | [mm] | 26 x 26 x 70    |
| Materials  |      | PBT             |

| Displays / operating elements |  |  |
|-------------------------------|--|--|
|-------------------------------|--|--|

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

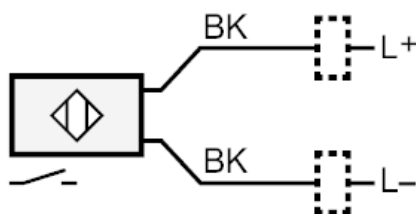
| Remarks |  |
|---------|--|
|---------|--|

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

| Electrical connection |  |
|-----------------------|--|
|-----------------------|--|

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

| Connection |  |
|------------|--|
|------------|--|



BK = Core colours :  
black