



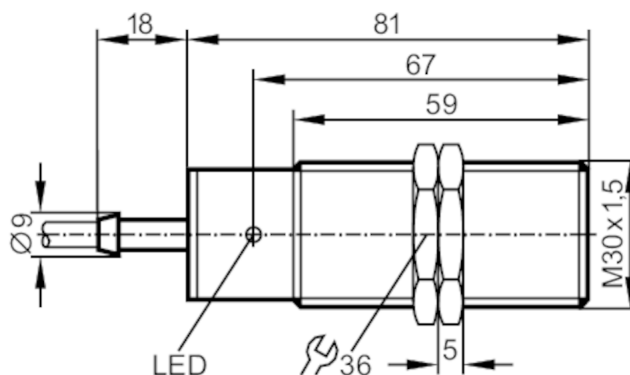
## Inductive sensor

IIA3010-ANOG/V4A

Article no longer available - archive entry

Alternative articles: II5264

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            | Threaded type      |
| Dimensions [mm]    | M30 x 1.5 / L = 81 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 7; (24 V)  |
| Protection class            | II         |
| Reverse polarity protection | no         |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 1             |
| Permanent current rating of switching output DC [mA] | 400           |
| Switching frequency DC [Hz]                          | 50            |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Monitoring range

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

## Accuracy / deviations

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Correction factor    | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis [% of Sr] | 1...15                                                                     |

II5097



Inductive sensor

IIA3010-ANOG/V4A

|                    |           |          |
|--------------------|-----------|----------|
| Switch-point drift | [% of Sr] | -10...10 |
|--------------------|-----------|----------|

Operating conditions

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

Mechanical data

|                    |      |                                      |
|--------------------|------|--------------------------------------|
| Housing            |      | Threaded type                        |
| Mounting           |      | flush mountable                      |
| Dimensions         | [mm] | M30 x 1.5 / L = 81                   |
| Thread designation |      | M30 x 1.5                            |
| Material           |      | stainless steel (1.4571/316Ti ); PBT |

Displays / operating elements

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

Accessories

|                |  |              |
|----------------|--|--------------|
| Items supplied |  | lock nuts: 2 |
|----------------|--|--------------|

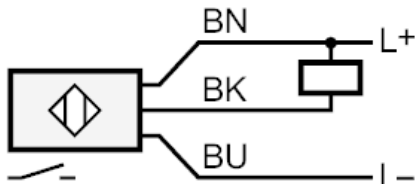
Remarks

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

Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



|      |               |
|------|---------------|
|      | Core colors : |
| BK = | black         |
| BN = | brown         |
| BU = | blue          |