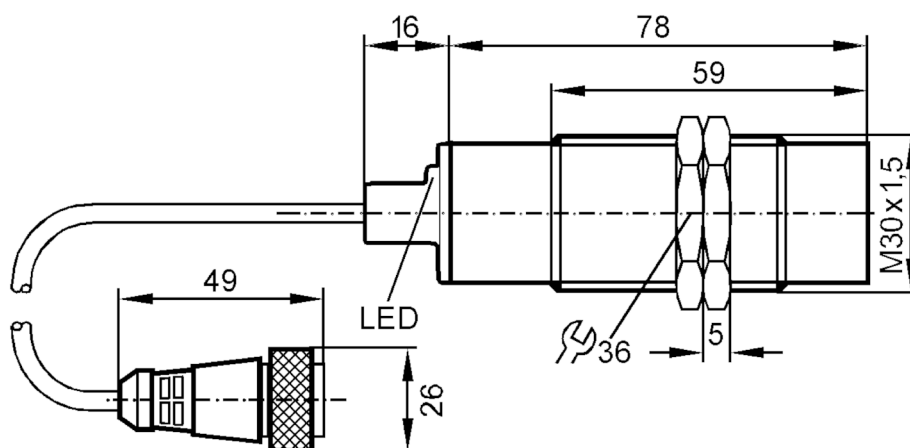


## Inductive sensor

IIA2015-ARKG/2M/WS/INOX

Article no longer available - archive entry



## Product characteristics

|                   |      |               |
|-------------------|------|---------------|
| Electrical design |      | PNP/NPN       |
| Output function   |      | normally open |
| Sensing range     | [mm] | 15            |
| Housing           |      | Threaded type |
| Dimensions        | [mm] | M30 x 1.5     |

## 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] | 0.5                |
| Permanent current rating of switching output DC | [mA] | 400                |
| Switching frequency DC                          | [Hz] | 200                |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |

# II9216



## Inductive sensor

IIA2015-ARKG/2M/WS/INOX

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

### Monitoring range

|                          |      |                |
|--------------------------|------|----------------|
| Sensing range            | [mm] | 15             |
| Real sensing range $S_r$ | [mm] | $15 \pm 10 \%$ |
| Operating distance       | [mm] | 0...12.1       |

### Accuracy / deviations

|                    |                                                                            |          |
|--------------------|----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |          |
| Hysteresis         | [% of $S_r$ ]                                                              | 1...15   |
| Switch-point drift | [% of $S_r$ ]                                                              | -10...10 |

### Operating conditions

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

### Tests / approvals

|     |              |
|-----|--------------|
| EMC | EN 60947-5-2 |
|-----|--------------|

### Mechanical data

|                    |                                      |           |
|--------------------|--------------------------------------|-----------|
| Housing            | Threaded type                        |           |
| Mounting           | non-flush mountable                  |           |
| Dimensions         | [mm]                                 | M30 x 1.5 |
| Thread designation |                                      | M30 x 1.5 |
| Material           | PBT; stainless steel (1.4404 / 316L) |           |

### Displays / operating elements

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

### Accessories

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

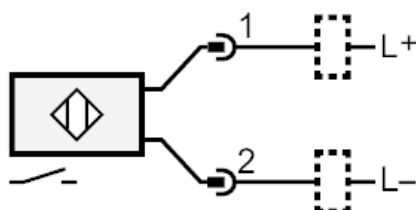
### Remarks

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

### Electrical connection

|                 |
|-----------------|
| Cable: 2 m, PVC |
|-----------------|

### Connection



Connector: 1 x Ø 26 mm