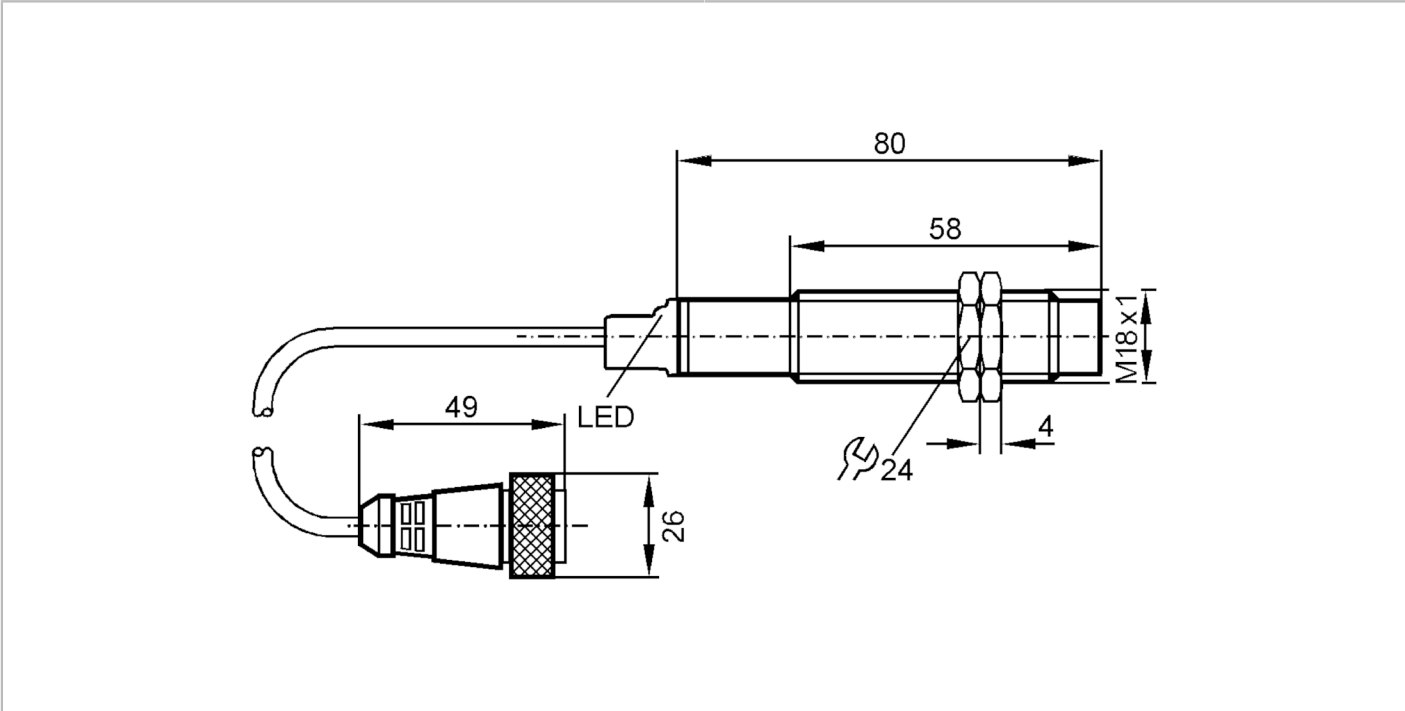




Inductive sensor

IGA2008-ARKG/2M/WS/INOX

Article no longer available - archive entry



Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP/NPN       |
| Output function    | normally open |
| Sensing range [mm] | 8             |
| 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]                          | 300                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |

# IG9216



## Inductive sensor

IGA2008-ARKG/2M/WS/INOX

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

### Monitoring range

|                          |      |               |
|--------------------------|------|---------------|
| Sensing range            | [mm] | 8             |
| Real sensing range $S_r$ | [mm] | $8 \pm 10 \%$ |
| Operating distance       | [mm] | 0...6.5       |

### Accuracy / deviations

|                    |                                                                            |          |
|--------------------|----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |          |
| Hysteresis         | [% of $S_r$ ]                                                              | 3...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]                                 | M18 x 1 |
| Thread designation |                                      | M18 x 1 |
| Material           | PBT; stainless steel (1.4404 / 316L) |         |

### Displays / operating elements

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

### Accessories

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

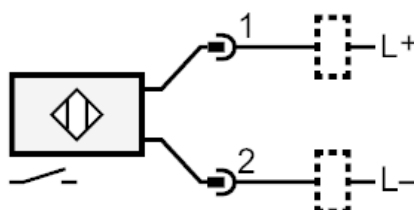
### Remarks

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

### Electrical connection

Cable: 2 m, PVC

### Connection



Connector: 1 x Ø 26 mm