



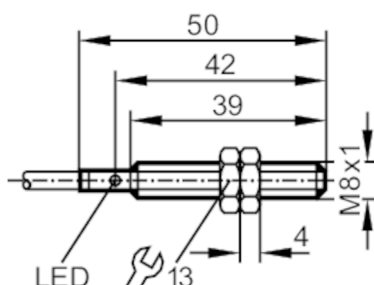
## Inductive sensor

IEA3001-BPOG/V4A/6M/PH

Article no longer available - archive entry

Alternative articles: IE5215

When selecting an alternative article and accessories please note that technical data may differ!



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP             |
| Output function    | normally open   |
| Sensing range [mm] | 1               |
| Housing            | Threaded type   |
| Dimensions [mm]    | M8 x 1 / L = 50 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Reverse polarity protection | no         |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 1             |
| Permanent current rating of switching output DC [mA] | 200           |
| Switching frequency DC [Hz]                          | 750           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Monitoring range

|                               |              |
|-------------------------------|--------------|
| Sensing range [mm]            | 1            |
| Real sensing range $S_r$ [mm] | $1 \pm 10\%$ |
| Operating distance [mm]       | 0...0.8      |

## 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                                                                   |

# IE5277



## Inductive sensor

IEA3001-BPOG/V4A/6M/PH

### Operating conditions

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

### Tests / approvals

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

### Mechanical data

|                    |      |                                      |
|--------------------|------|--------------------------------------|
| Housing            |      | Threaded type                        |
| Mounting           |      | flush mountable                      |
| Dimensions         | [mm] | M8 x 1 / L = 50                      |
| Thread designation |      | M8 x 1                               |
| Material           |      | stainless steel (1.4571/316Ti ); PBT |

### Displays / operating elements

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

### Accessories

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

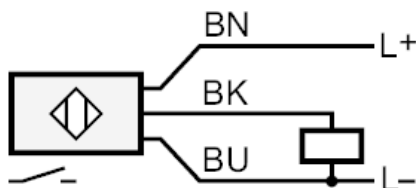
### Remarks

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

### Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm<sup>2</sup>

### Connection



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