

## Inductive sensor

IEA3001-BPOG/V4A 20m

Article no longer available - archive entry



## 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) |
| Protection class            | III        |
| 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           |
| Notes on switching frequency [Hz]                    | 1000 nb       |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Detection zone

|                               |               |
|-------------------------------|---------------|
| 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 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
|--------------------------|----------|

# IE5147



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|            |       |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

### Tests / approvals

|      |              |         |
|------|--------------|---------|
| EMC  | EN 60947-5-2 |         |
|      | EN 55011     | class B |
| MTTF | [ANN]        | 5595    |

### Mechanical data

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

### Displays / operating elements

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

### Аксессуары

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

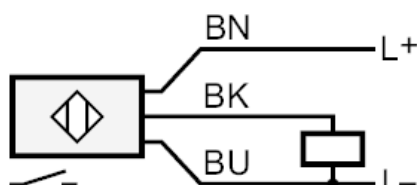
### Remarks

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

### Electrical connection

Cable: 20 m, PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



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