

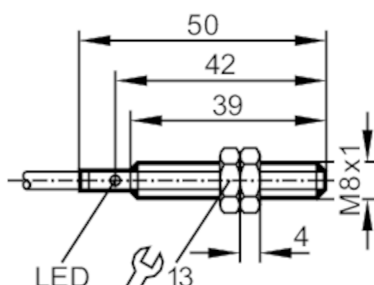
## Inductive sensor

IEA2001-FROG/0,28M/PH

Article no longer available - archive entry

Alternative articles: IE5222

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



## Product characteristics

|                    |                                               |
|--------------------|-----------------------------------------------|
| Electrical design  | PNP/NPN                                       |
| Output function    | normally open / normally closed; (selectable) |
| Sensing range [mm] | 1                                             |
| Housing            | threaded type                                 |
| Dimensions [mm]    | M8 x 1 / L = 50                               |

## Electrical data

|                             |           |
|-----------------------------|-----------|
| Operating voltage [V]       | 5...36 DC |
| Reverse polarity protection | no        |

## Outputs

|                                                      |                                               |
|------------------------------------------------------|-----------------------------------------------|
| Electrical design                                    | PNP/NPN                                       |
| Output function                                      | normally open / normally closed; (selectable) |
| Max. voltage drop switching output DC [V]            | 4.6                                           |
| Minimum load current [mA]                            | 4                                             |
| Max. leakage current [mA]                            | 0.8                                           |
| Permanent current rating of switching output DC [mA] | 200                                           |
| Switching frequency DC [Hz]                          | 2000                                          |
| 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: 0.4 / copper: 0.3 |
| Hysteresis [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

# IE5289



## Inductive sensor

IEA2001-FROG/0,28M/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                   |
| Materials          |      | brass nickel-plated; PBT |

### Displays / operating elements

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

### Аксессуары

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

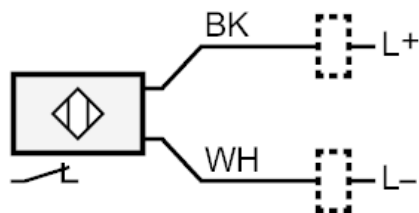
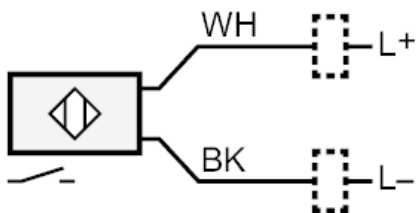
### Remarks

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

### Electrical connection

Cable: 0.28 m, PUR / PVC; 2 x 0.14 mm<sup>2</sup>

### Connection



BK = Core colours :  
WH = black  
white