



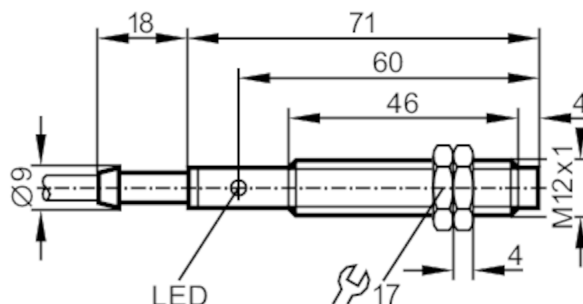
## Inductive sensor

IFA3004-BPKG/6M/ZH/55V

Article no longer available - archive entry

Alternative articles: IF5330

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] | 4                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 71 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Short-time current rating of switching output [mA]   | 250           |
| Switching frequency DC [Hz]                          | 400           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 4        |
| Real sensing range Sr [mm] | 4 ± 10 % |
| Operating distance [mm]    | 0...3.25 |

# IF5964



## Inductive sensor

IFA3004-BPKG/6M/ZH/55V

### Accuracy / deviations

|                    |                                                                 |          |
|--------------------|-----------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / aluminium: 0.5 / copper: 0.42 |          |
| Hysteresis         | [% of Sr]                                                       | 1...15   |
| Switch point drift | [% of Sr]                                                       | -10...10 |

### Operating conditions

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

### Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

### Mechanical data

|                    |      |                                             |
|--------------------|------|---------------------------------------------|
| Housing            |      | threaded type                               |
| Mounting           |      | non-flush mountable                         |
| Dimensions         | [mm] | M12 x 1 / L = 71                            |
| Thread designation |      | M12 x 1                                     |
| Materials          |      | brass white bronze coated; sensing face: PC |

### Displays / operating elements

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

### Accessories

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

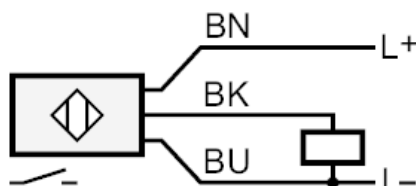
### Remarks

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

### Electrical connection

Cable: 6 m, PUR; highly flexible; 3 x 0.34 mm<sup>2</sup>

### Connection



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