

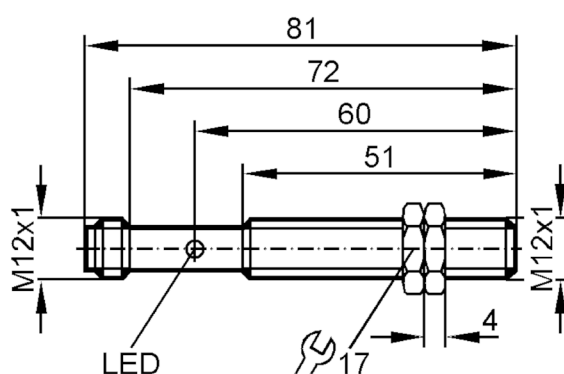
## Inductive sensor

IFA3002-BPOG/V4A/US-100-DPS

Article no longer available - archive entry

Alternative articles: IF5851

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] | 2             |
| Housing            | threaded type |
| Dimensions [mm]    | M12 x 1       |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 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]                          | 700           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

### Detection zone

|                    |   |
|--------------------|---|
| Sensing range [mm] | 2 |
|--------------------|---|

# IF5471



## Inductive sensor

IFA3002-BPOG/V4A/US-100-DPS

|                       |      |          |
|-----------------------|------|----------|
| Real sensing range Sr | [mm] | 2 ± 10 % |
| Operating distance    | [mm] | 0...1.6  |

### Accuracy / deviations

|                    |                                                                             |          |
|--------------------|-----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |          |
| Hysteresis         | [% of Sr]                                                                   | 1...15   |
| Switch point drift | [% of Sr]                                                                   | -10...10 |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 65    |

### Mechanical data

|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Housing            |      | threaded type                       |
| Mounting           |      | flush mountable                     |
| Dimensions         | [mm] | M12 x 1                             |
| Thread designation |      | M12 x 1                             |
| Materials          |      | stainless steel (316Ti/1.4571); PBT |

### Displays / operating elements

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

### Accessories

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

### Remarks

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

### Electrical connection - plug

Connector: 1 x M12; coding: A



### Connection

