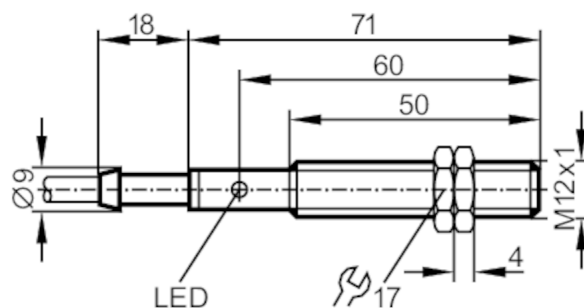




## Inductive sensor

IFA3002-ANKG/10m

Article no longer available - archive entry



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | NPN              |
| Output function    | normally open    |
| Sensing range [mm] | 2                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 71 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Switching frequency DC [Hz]                          | 800           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 2        |
| 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 [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

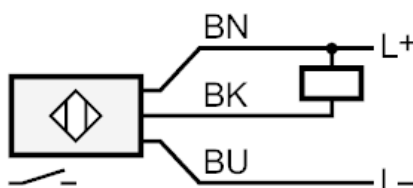
# IF5307



## Inductive sensor

IFA3002-ANKG/10m

| Operating conditions                       |                  |                                             |
|--------------------------------------------|------------------|---------------------------------------------|
| Ambient temperature                        | [°C]             | -25...80                                    |
| Protection                                 |                  | IP 67                                       |
| Tests / approvals                          |                  |                                             |
| EMC                                        | EN 60947-5-2     |                                             |
|                                            | EN 55011         | class B                                     |
| MTTF                                       | [ANN]            | 945                                         |
| Mechanical data                            |                  |                                             |
| Housing                                    |                  | threaded type                               |
| Mounting                                   |                  | 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                             |
| Аксессуары                                 |                  |                                             |
| Items supplied                             |                  | lock nuts: 2                                |
| Remarks                                    |                  |                                             |
| Pack quantity                              |                  | 1 pcs.                                      |
| Electrical connection                      |                  |                                             |
| Cable: 10 m, PVC; 3 x 0.34 mm <sup>2</sup> |                  |                                             |
| Connection                                 |                  |                                             |



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