



## Inductive sensor

IFA3002-ANOG/ 6m

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       |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | 7; (24 V)  |
| Protection class            | II         |
| Reverse polarity protection | no         |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 1.5           |
| 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        |
| Real sensing range Sr [mm] | 2 ± 10 % |
| Operating distance [mm]    | 0...1.6  |

# IF5051



## Inductive sensor

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| Accuracy / deviations                     |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| Correction factor                         | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis [% of Sr]                      | 3...15                                                                      |
| Switch point drift [% of Sr]              | -10...10                                                                    |
| Operating conditions                      |                                                                             |
| Ambient temperature [°C]                  | -25...80                                                                    |
| Protection                                | IP 67                                                                       |
| Mechanical data                           |                                                                             |
| Housing                                   | threaded type                                                               |
| Mounting                                  | flush mountable                                                             |
| Dimensions [mm]                           | M12 x 1                                                                     |
| Thread designation                        | M12 x 1                                                                     |
| Materials                                 | brass nickel-plated; PBT                                                    |
| Accessories                               |                                                                             |
| Items supplied                            | lock nuts: 2                                                                |
| Remarks                                   |                                                                             |
| Pack quantity                             | 1 pcs.                                                                      |
| Electrical connection                     |                                                                             |
| Cable: 6 m, PVC; 3 x 0.34 mm <sup>2</sup> |                                                                             |
| Connection                                |                                                                             |



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