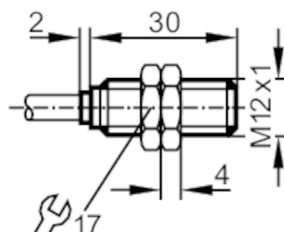




## Inductive sensor

IF-2002-N/ 6m

Article no longer available - archive entry



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | NAMUR            |
| Output function    | normally closed  |
| Sensing range [mm] | 2                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 30 |

### Electrical data

|                                    |                                                                                                                                                                         |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection to switching amplifiers | yes                                                                                                                                                                     |
| Switching amplifiers               | connection to switching amplifiers NV0100, NV0200 or other approved switching amplifiers with the max. values: U = 16 V / I = 50 mA / P = 180 mW (T5) / P = 123 mW (T6) |
| Nominal voltage DC [V]             | 8.2; (1kΩ)                                                                                                                                                              |
| Supply voltage DC [V]              | 5...25                                                                                                                                                                  |
| Current consumption [mA]           | < 1; (disabled; conductive: > 2,1)                                                                                                                                      |

### Outputs

|                             |                 |
|-----------------------------|-----------------|
| Electrical design           | NAMUR           |
| Output function             | normally closed |
| Max. cable resistance [Ω]   | 50              |
| Switching frequency DC [Hz] | 1200            |

### Detection zone

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

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -20...70 |
| Protection               | IP 67    |

### Tests / approvals

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| Approval                   | PTB-Zulassungs-Nr. Ex-00.E.2013; Gerätekennzeichnung: EEx ia IIC T5/T6 |
| Shock/vibration resistance | 30 g (11 ms) / 10-55 Hz (1 mm)                                         |
| MTTF [years]               | 4736                                                                   |

### Safety classification

|                                |     |
|--------------------------------|-----|
| Max. internal capacitance [nF] | 230 |
| Max. internal inductance [μH]  | 380 |

# NF5015



## Inductive sensor

IF-2002-N/ 6m

### Mechanical data

|                    |                  |
|--------------------|------------------|
| Housing            | threaded type    |
| Mounting           | flush mountable  |
| Dimensions [mm]    | M12 x 1 / L = 30 |
| Thread designation | M12 x 1          |
| Materials          | PBT              |

### Accessories

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

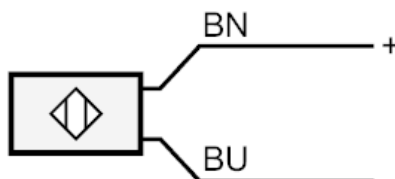
### Remarks

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

### Electrical connection

Cable: 6 m, PVC; 2 x 0.34 mm<sup>2</sup>

### Connection



BN = Core colours :  
BU = brown  
blue