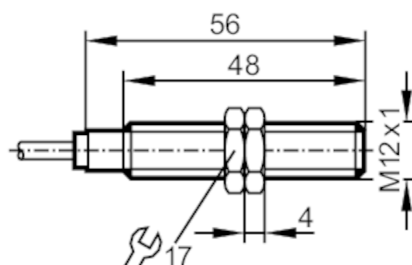


## Inductive high-temperature sensor

IFA3003ZBPKG/5M/SH



## Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally open    |
| Sensing range [mm] | 3                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 56 |

## Application

|             |                               |
|-------------|-------------------------------|
| Application | high-temperature applications |
|-------------|-------------------------------|

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...35 DC |
| Current consumption [mA]    | < 15       |
| Protection class            | III        |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2             |
| Permanent current rating of switching output DC [mA] | 120           |
| Switching frequency DC [Hz]                          | 500           |
| Short-circuit proof                                  | yes           |
| Overload protection                                  | yes           |

## Detection zone

|                         |         |
|-------------------------|---------|
| Sensing range [mm]      | 3       |
| Operating distance [mm] | 0...2.4 |

## Accuracy / deviations

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Correction factor        | stainless steel: 0.6 / brass: 0.3 / aluminium: 0.2 / copper: 0.1 |
| Hysteresis [X01]         | 3...15                                                           |
| Switch point drift [X01] | -15...15                                                         |

## Operating conditions

|                          |         |
|--------------------------|---------|
| Ambient temperature [°C] | 0...150 |
| Protection               | IP 65   |

IF6074



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| Tests / approvals |                           |                   |
|-------------------|---------------------------|-------------------|
| EMC               | EN 61000-4-2 ESD          | 2 kV CD / 4 kV AD |
|                   | EN 61000-4-3 HF radiated  | 3 V/m             |
|                   | EN 61000-4-4 Burst        | 2 kV              |
|                   | EN 61000-4-6 HF conducted | 3 V               |
| MTTF              | [ANN]                     | 1273              |

| Mechanical data    |      |                                                     |
|--------------------|------|-----------------------------------------------------|
| Weight             | [g]  | 220.5                                               |
| Housing            |      | threaded type                                       |
| Mounting           |      | flush mountable                                     |
| Dimensions         | [mm] | M12 x 1 / L = 56                                    |
| Thread designation |      | M12 x 1                                             |
| Materials          |      | threaded sleeve: stainless steel; sensing face: LCP |

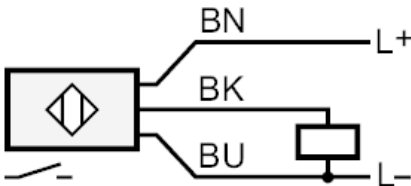
| Аксессуары     |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |

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

Electrical connection

Cable: 5 m, silicone; highly flexible; 3 x 0.22 mm²

Connection



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