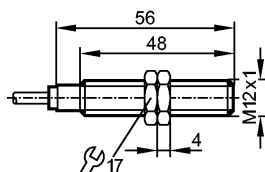


**IF6074**

IFA3003ZBPKG/5M/SH

Inductive sensors



Made in Germany



**Product characteristics**

Inductive sensor
Metal thread M12 x 1
Cable
For applications in high-temperature areas
Sensing range 3 mm; [f] flush mountable

**Electrical data**

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

**Outputs**

Output function	normally open
Voltage drop [V]	< 2
Leakage current [mA]	< 0.5
Current rating [mA]	120
Short-circuit proof	yes
Overload protection	yes
Switching frequency [Hz]	500

**Range**

Sensing range [mm]	3
Real sensing range (Sr) [mm]	3 ± 10 %
Operating distance [mm]	0...2.4

**Accuracy / deviations**

Correction factors	stainless steel approx. 0.6 / brass approx. 0.3 / aluminium approx. 0.2 / Cu approx. 0.1
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-15...15

**Environment**

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

**Tests / approvals**

EMC	EN 61000-4-2 ESD: 2 kV CD / 4 kV AD EN 61000-4-3 HF radiated: 3 V/m (80...2000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 3 V (0.15...80 MHz)
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**Mechanical data**

Mounting	flush mountable
Housing materials	threaded sleeve: stainless steel; active face: LCP

## IF6074

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Inductive sensors

### Electrical connection

Connection

silicone cable / 5 m; highly flexible

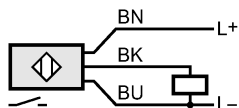
### Wiring

Core colours

BK black

BN brown

BU blue



### Accessories

Accessories (included)

2 lock nuts

### Remarks

Pack quantity

[piece]

1