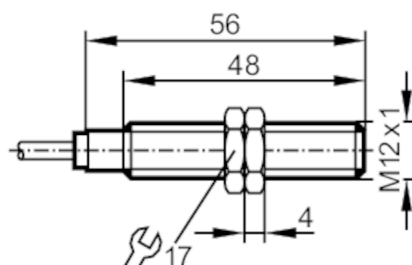


IF6074



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
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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

Monitoring range

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

Accuracy / deviations

Correction factor	stainless steel: 0.6 / brass: 0.3 / aluminum: 0.2 / copper: 0.1
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-15...15

Operating conditions

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

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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	[years]	1273

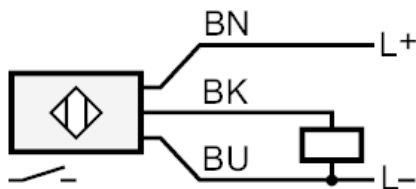
Mechanical data		
Weight	[g]	220.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 56
Thread designation		M12 x 1
Material		threaded sleeve: stainless steel; sensing face: LCP

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

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

Connection	
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	Core colors :
BK =	black
BN =	brown
BU =	blue