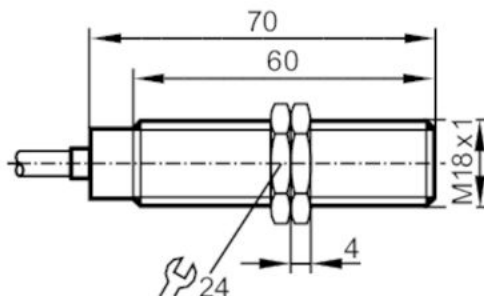


# IG6614



## Inductive high-temperature sensor

IGA3005ZBPKG/5M/SH



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
Max. leakage current [mA]	0.5
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	400
Short-circuit proof	yes
Overload protection	yes
Detection zone	
Sensing range [mm]	5
Operating distance [mm]	0...4.1
Accuracy / deviations	
Correction factor	stainless steel: 0.6 / brass: 0.3 / aluminium: 0.2 / copper: 0.1
Hysteresis [% of Sr]	3...15
Switch point drift [% of Sr]	-15...15
Operating conditions	
Ambient temperature [°C]	0...180
Protection	IP 65

# IG6614



## Inductive high-temperature sensor

IGA3005ZBPKG/5M/SH

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]	185

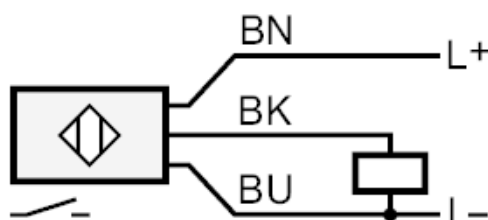
Mechanical data	
Weight	[g] 258.8
Housing	threaded type
Mounting	flush mountable
Dimensions	[mm] M18 x 1 / L = 70
Thread designation	M18 x 1
Materials	threaded sleeve: stainless steel; sensing face: LCP

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 5 m, silicone, Ø 5 mm; highly flexible	

### Connection



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