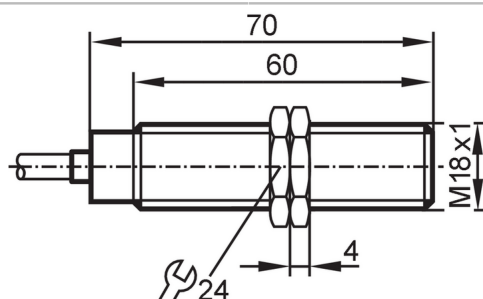


IG6614



Inductive high-temperature sensor

IGA3005ZBPKG/5M/SH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	5
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 70

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
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

Monitoring range

Sensing range [mm]	5
Operating distance [mm]	0...4.1

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...180
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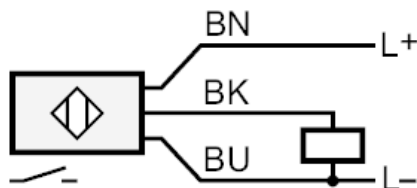
IG6614



Inductive high-temperature sensor

IGA3005ZBPKG/5M/SH

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
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-6 HF conducted	3 V
MTTF	[years]	682	
Mechanical data			
Weight	[g]	263	
Housing		Threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M18 x 1 / L = 70	
Thread designation		M18 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, Ø 5 mm; highly flexible; 3 x 0.22 mm²			
Connection			



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