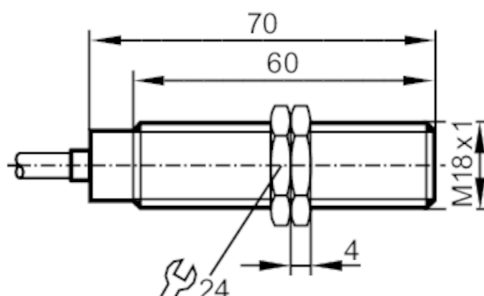


Inductive high-temperature sensor

IGA3005ZBPKG/5M/SH



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

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

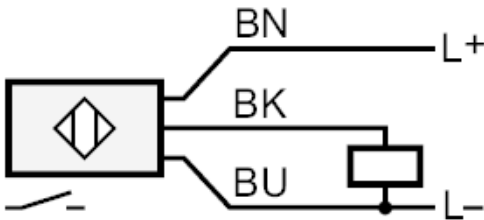
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Inductive high-temperature sensor

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