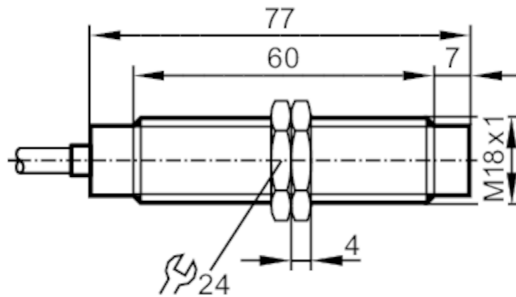


## Inductive high-temperature sensor

IGA3008ZBPKG/5M/SH



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 77

### 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]	150
Switching frequency DC [Hz]	400
Short-circuit proof	yes
Overload protection	yes

### Detection zone

Sensing range [mm]	8
Operating distance [mm]	0...6.5

### 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

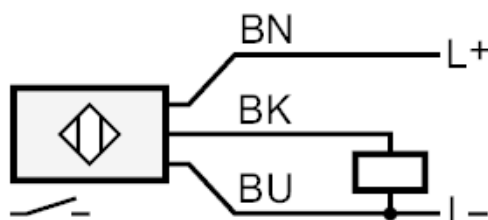
# IG6119



## Inductive high-temperature sensor

IGA3008ZBPKG/5M/SH

Operating conditions		
Ambient temperature [°C]	0...180	
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]	185	
Mechanical data		
Weight [g]	262.5	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 77	
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; highly flexible		
Connection		



Core colours :

- BK = black
- BN = brown
- BU = blue