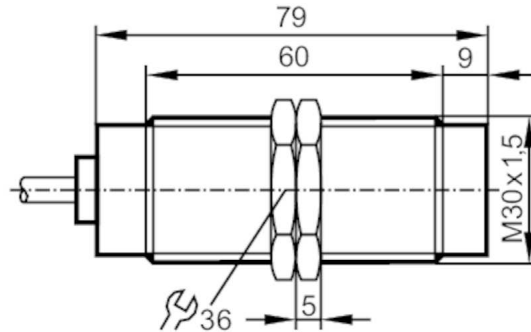


# II5930



## Inductive high-temperature sensor

IIA3015ZBPKG/5M/SH



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 79

### 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]	200
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

### Monitoring range

Sensing range [mm]	15
Operating distance [mm]	0...12.1

### Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.6 / brass: 0.3 / aluminum: 0.2 / copper: 0.1
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

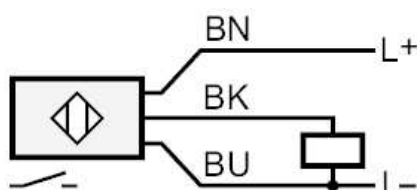
# II5930



## Inductive high-temperature sensor

IIA3015ZBPKG/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]	693	
Mechanical data		
Weight [g]	357	
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 79	
Thread designation	M30 x 1.5	
Material	housing: 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 mm <sup>2</sup>		
Connection		



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