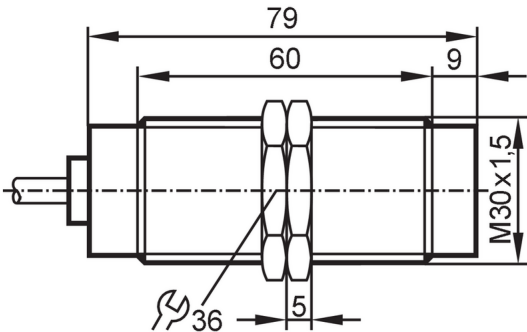




Inductive high-temperature sensor

I1A3015ZBPKG/5M/SH



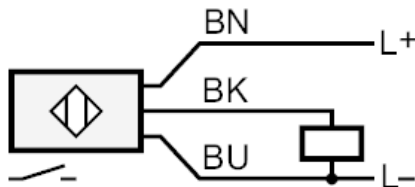
Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 79
Application	
Application	high-temperature applications
Electrical data	
Operating voltage [V]	10...35 DC
Current consumption [mA]	< 15
Protection 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	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	15
Operating distance [mm]	0...12.1
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.6 / brass: 0.3 / aluminium: 0.2 / copper: 0.1
Hysteresis [% of Sr]	3...15
Switch point drift [% of Sr]	-10...10



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
Materials		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 mm²		
Connection		



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