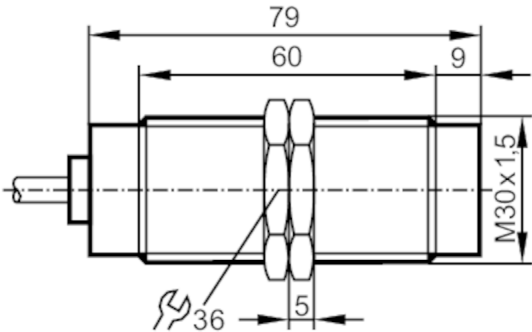




Inductive high-temperature sensor

I1A3015ZBPKG/5M/SH



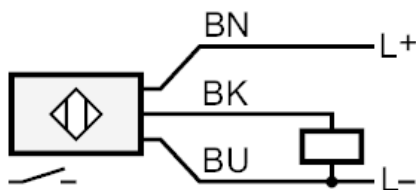
Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	15
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 79
Application		
Application		high-temperature applications
Electrical data		
Operating voltage	[V]	10...35 DC
Current consumption	[mA]	< 15
Protection 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		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



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 mm²		
Connection		



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