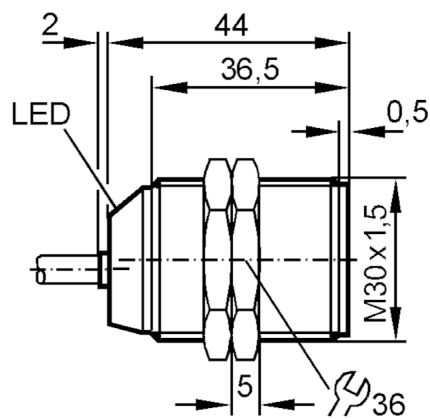




Inductive sensor

IIB3010-BPKG/5M



Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	10
Housing	Threaded type
Dimensions [mm]	M30 x 1.5
Electrical data	
Operating voltage [V]	10...36 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]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Overload protection	yes



Inductive sensor

IIB3010-BPKG/5M

Monitoring range		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-50...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	1263
Mechanical data		
Weight	[g]	346.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Material		brass white bronze coated; sensing face: PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

II5907



Inductive sensor

IIB3010-BPKG/5M

Electrical connection

Cable: 5 m, PUR; 3 x 0.5 mm²

Connection



Core colors :

BN =	brown
BU =	blue
BK =	black