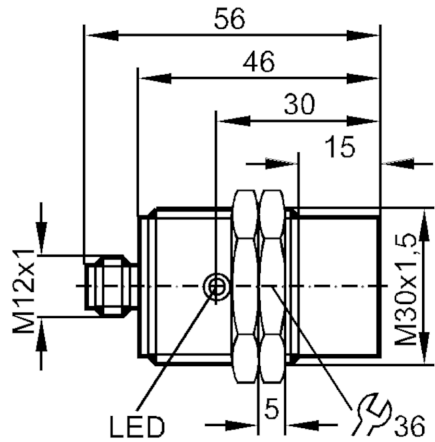




Inductive sensor

II543015-BPKG/US-100-DPS



Electrical data		
Operating voltage	[V]	18...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]	125; (150 (...50 °C))
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.15

**Inductive sensor**

IIB3015-BPKG/US-100-DPS

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
MTTF	[years]	901
Mechanical data		
Weight	[g]	119.4
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M30 x 1.5
Thread designation	M30 x 1.5	
Materials	brass white bronze coated; PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12		
		

II5430



Inductive sensor

II543015-BPKG/US-100-DPS

Connection

