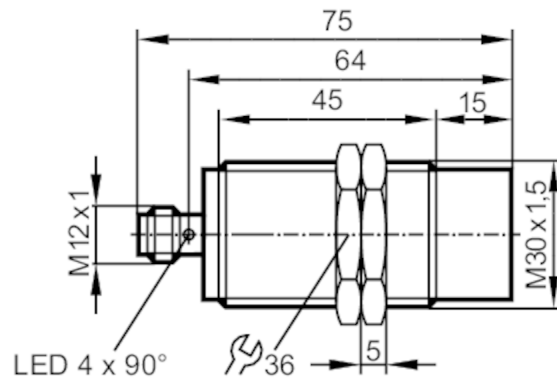




Inductive sensor

IIA3015-BPKG/V4A/US-104



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 75

Application

Special feature	Gold-plated contacts
Application	Industrial applications / factory automation

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	10
Protection class		II
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]	200
Switching frequency DC [Hz]	200
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

IIA3015-BPKG/V4A/US-104

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...20	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-25...80
Protection			IP 67
Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated	10 V/m
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-6 HF conducted	10 V
		EN 55011	class B
MTTF		[years]	1083
Mechanical data			
Weight		[g]	149.5
Housing			threaded type
Mounting			non-flush mountable
Dimensions		[mm]	M30 x 1.5 / L = 75
Thread designation			M30 x 1.5
Materials			housing: stainless steel (316L/1.4404); sensing face: PBT white; LED window: PEI; lock nuts: stainless steel (316L/1.4404)
Tightening torque		[Nm]	80
Displays / operating elements			
Display		switching status	4 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection - plug			
Connector: 1 x M12; coding: A; Contacts: gold-plated			
			



Inductive sensor

IIA3015-BPKG/V4A/US-104

Connection

