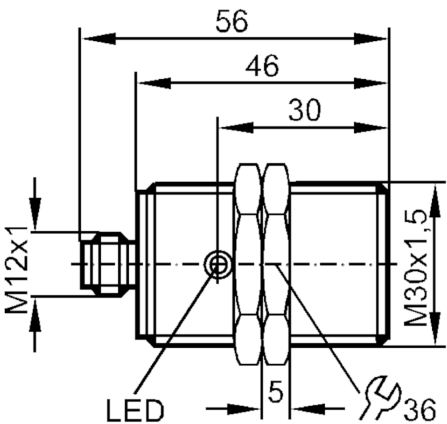




Inductive sensor

IIB3010-ANKG/US-100-DNS



Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	10
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Operating voltage	[V]	18...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
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]	300
Short-circuit protection		yes



Inductive sensor

IIB3010-ANKG/US-100-DNS

Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range	
Sensing range [mm]	10
Real sensing range S_r [mm]	$10 \pm 10\%$
Operating distance [mm]	0...8.1

Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch-point drift [% of S_r]	-10...10

Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	901	

Mechanical data	
Weight [g]	135.5
Housing	Threaded type
Mounting	flush mountable
Dimensions [mm]	M30 x 1.5
Thread designation	M30 x 1.5
Material	brass nickel-plated; PBT

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



II5453



Inductive sensor

IIB3010-ANKG/US-100-DNS

Connection

