II5913

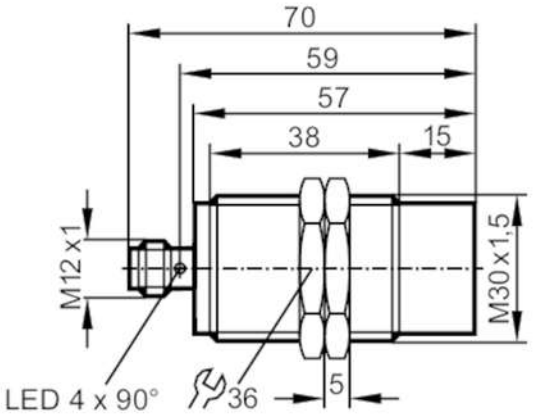
Inductive analogue sensor

IIK3015A1PKG/US

phase-out article

Alternative articles: II6913
When selecting an alternative article and accessories please note that technical data may differ!

With IO-Link



Product characteristics		
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 70
Electrical data		
Operating voltage	[V]	15...30 DC
Current consumption	[mA]	< 20
Protection class		II
Reverse polarity protection		yes
Outputs		
Analogue current output	[mA]	4...20; (linear; gradient: 1,143 mA/mm; for frontal approach and for target made of mild steel: 45 x 45 x 1 mm)
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Measuring range	[mm]	1...15
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Linearity error of analogue output	[%]	± 1 %; (of IA max)
Repeatability analogue output	[%]	± 1 %; (of IA max)
Response times		
Response time	[ms]	< 20

II5913

Inductive analogue sensor

IIK3015A1PKG/US

Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	964	
Mechanical data			
Weight	[g]	125.42	
Housing		threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 70	
Thread designation		M30 x 1.5	
Materials		housing: brass white bronze coated; sensing face: PBT	
Tightening torque	[Nm]	50	
Displays / operating elements			
Display		within the operating range	1 x LED, yellow lights
		outside the operating range	1 x LED, yellow flashing
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

