

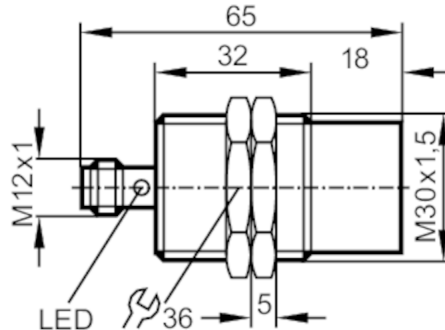


Inductive sensor

IIK3015UBPKG/K1/SC/US-104-DPS

Article no longer available - archive entry

replaced by: IIW201



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 66

Application

Special feature	Correction factor K = 1; Magnetic-field immune	
Magnetic-field immune		yes

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	3
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	20
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

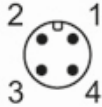
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1

II5893



Inductive sensor

IIK3015UBPKG/K1/SC/US-104-DPS

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminium: 1.1 / copper: 1.1	
Hysteresis [% of Sr]	3...15	
Switch point drift [% of Sr]	-10...10	
Correction factor K = 1	yes	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
Mechanical data		
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 66	
Thread designation	M30 x 1.5	
Materials	brass PTFE coated; sensing face: PPS PTFE coated	
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		
		

II5893



Inductive sensor

IIK3015UBPKG/K1/SC/US-104-DPS

Connection



Article no longer available - archive entry

replaced by: IIW201