



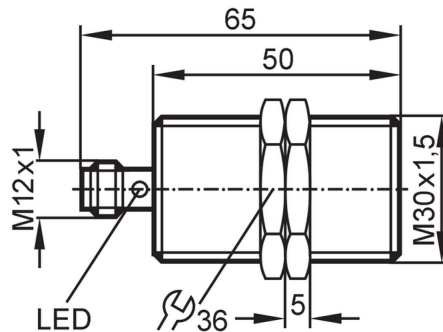
## Inductive sensor

IIK3010UBPKG/K1/SC/US-104-DPS

Article no longer available - archive entry

Alternative articles: IIW200

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 65

### 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]	50
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %



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Operating distance	[mm]	0...8.1
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### 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	
	EN 55011	class B

### Mechanical data

Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 65
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
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### Accessories

Items supplied		lock nuts: 2
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### Remarks

Pack quantity		1 pcs.
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### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4



### Connection

