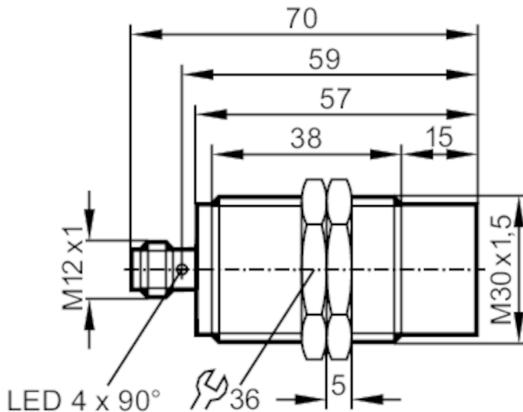


Inductive analogue sensor

IIK3015A2PKG/US





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 voltage output [V]	0...10; (linear; gradient: 0,714 V/mm; for frontal approach and for target made of mild steel: 45 x 45 x 1 mm)
Min. load resistance [Ω]	2000
Short-circuit protection	yes
Overload protection	yes

Detection zone

Measuring range [mm]	1...15
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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 UA max)
Repeatability analogue output [%]	± 1 %; (of UA max)

Response times

Response time [ms]	< 20
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Operating conditions

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

Tests / approvals

MTTF [years]	1005
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Inductive analogue sensor

IIK3015A2PKG/US

Mechanical data

Weight	[g]	129
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

Accessories (supplied)	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12



Connection

