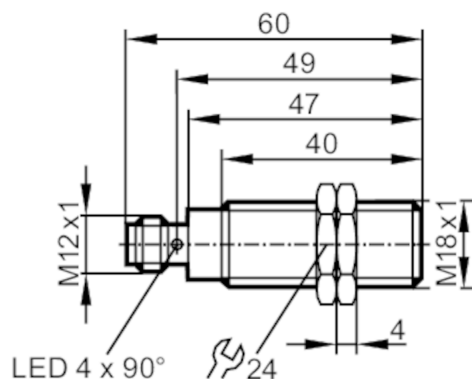




Inductive analogue sensor

IGK3005A1PKG/US



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: 3,56 mA/mm; for frontal approach and for target made of mild steel: 18 x 18 x 1 mm)
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes

Detection zone

Measuring range	[mm]	0.5...5
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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	[%]	± 3 %; (of IA max)
Repeatability analogue output	[%]	± 2 %; (of IA 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]	988
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Inductive analogue sensor

IGK3005A1PKG/US

Mechanical data		
Weight	[g]	65
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Materials		housing: brass white bronze coated; sensing face: PBT
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
Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12



Connection

