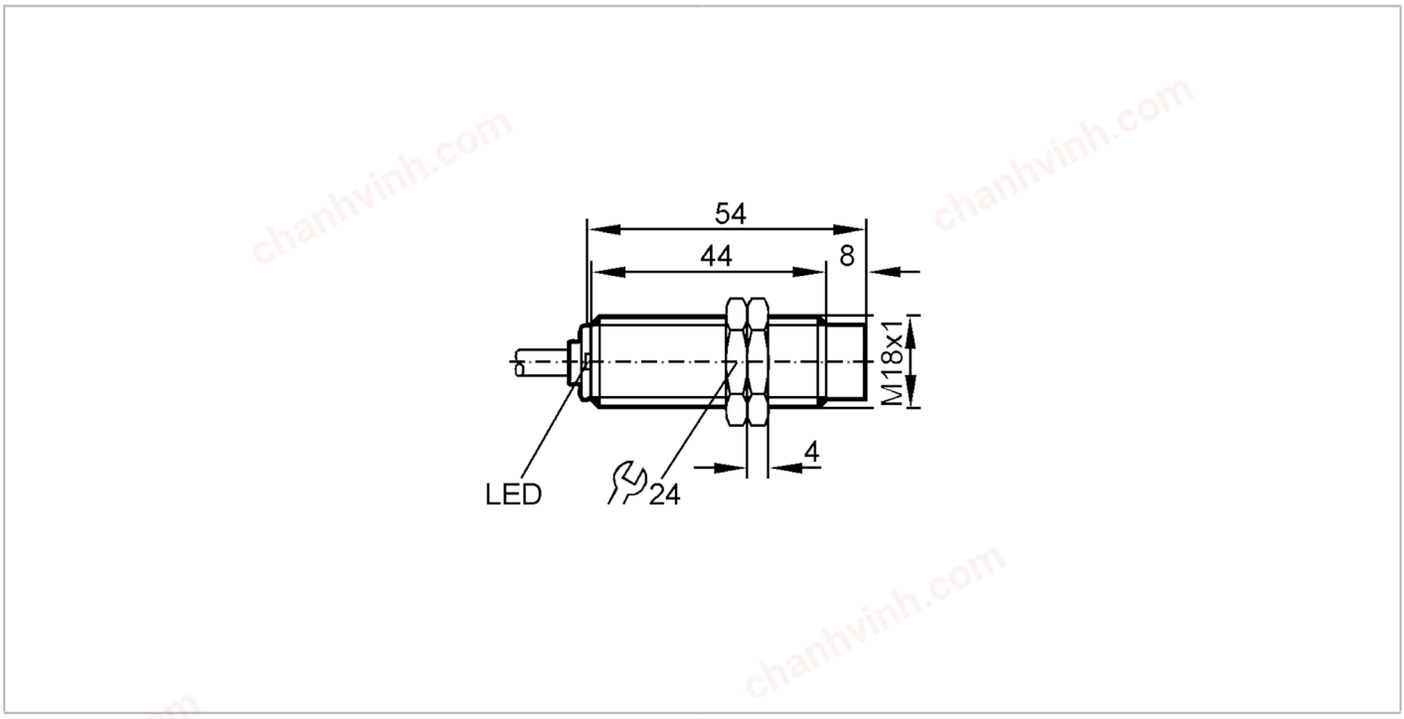
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IG6108

Inductive sensor

IGK3008A1PKG/0,2M



Product characteristics		
Housing		threaded type
Dimensions	[mm]	M18 x 1
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: 2,22 mA/mm; for frontal approach and for target made of mild steel: 24 x 24 x 1 mm)
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Measuring range	[mm]	0.8...8
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]	< 10

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Inductive sensor

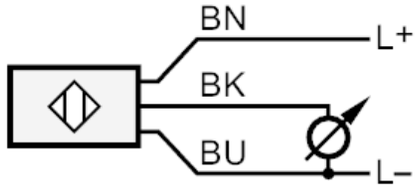
IGK3008A1PKG/0,2M

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
MTTF	[years]	936
Mechanical data		
Weight	[g]	87
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		housing: brass white bronze coated; sensing face: PBT
Tightening torque	[Nm]	25
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

Cable: 0.2 m, PVC; 3 x 0.5 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue