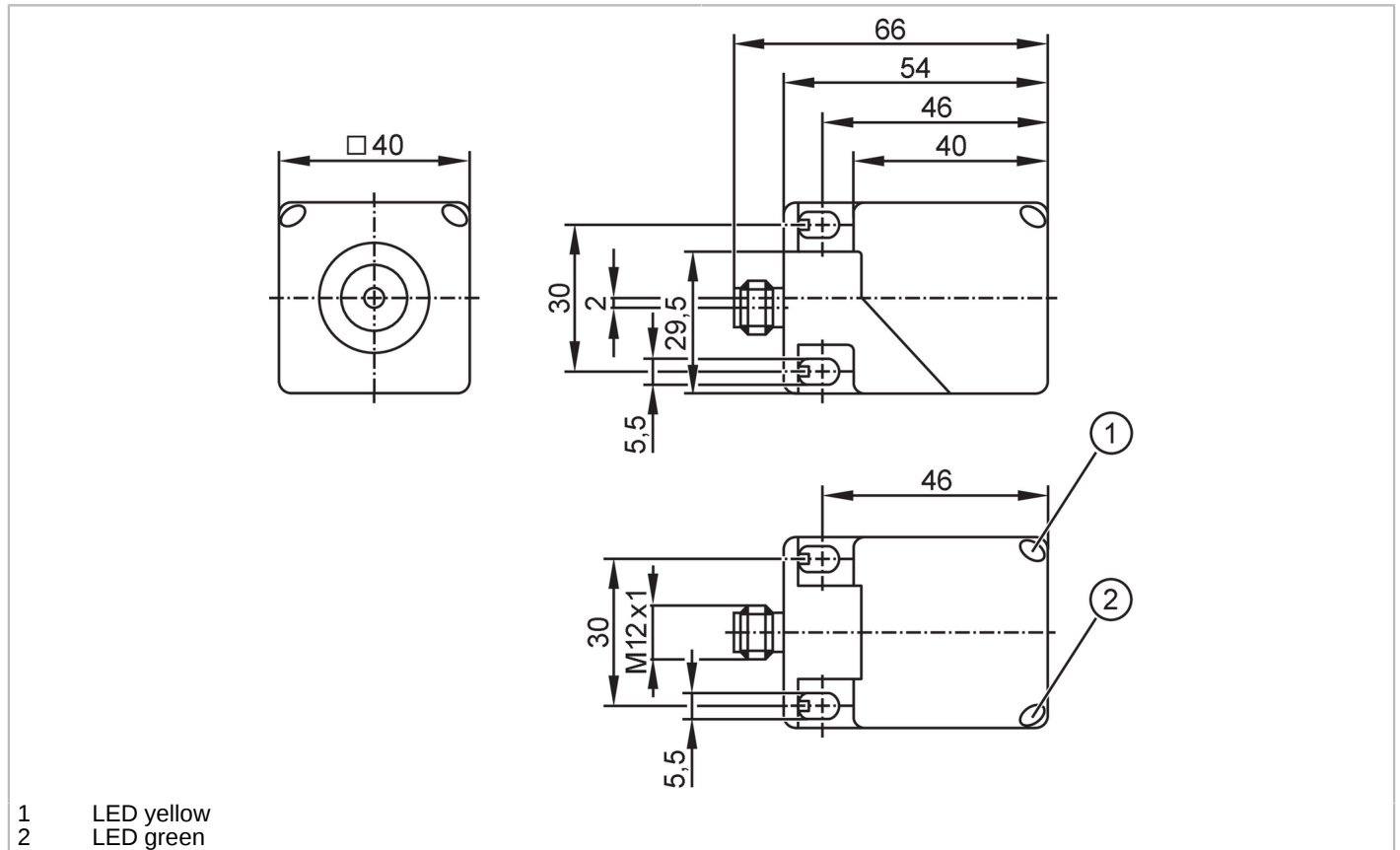


IM5139



Inductive analogue sensor with IO-Link

IMC4015A1PKG/IO/US



Product characteristics	
Housing	rectangular
Dimensions [mm]	40 x 40 x 54
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: 1,143 mA/mm; for frontal approach and for target made of mild steel: 45 x 45 x 1 mm)
Max. load [Ω]	500
Short-circuit protection	yes
Overload protection	yes
Detection zone	
Measuring range [mm]	1...15
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)

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Response times

Response time	[ms]	< 20
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Operating conditions

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

Tests / approvals

MTTF	[years]	231
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data

Weight	[g]	190
Housing		rectangular
Sensing face		5 positions selectable
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 54
Materials		PA; brass white bronze coated

Displays / operating elements

Display	within the operating range	1 x LED, yellow lights
	outside the operating range	1 x LED, yellow flashing
	operation	LED, green

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

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



Connection

