

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Quick disconnect

Analog output 4...20 mA
(linear, gradient: 1.143 mA/mm) *)

Measuring range 1.0...15 mm; [nfl] non-flush mountable

Electrical data

Electrical design

DC analog

Operating voltage [V]

15...30 DC

Current consumption [mA]

< 20

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

4...20 mA analog

Max. load [Ω]

500

Short-circuit protection

yes

Overload protection

yes

Monitoring range

Measuring range [mm]

1.0...15

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Linearity error

$\pm 1\%$; of IA max

Temperature coefficient

$\pm 5\%$ of IA max at -25...70°C;
 $\pm 10\%$ of IA max at 70...80°C

Repeatability

$\pm 1\%$; of IA max

Reaction times

Response time [ms]

< 20

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

935

Mechanical data

Mounting

non-flush mountable

Housing materials

housing: brass white bronze coated; active face: PBT

Weight [kg]

0.143

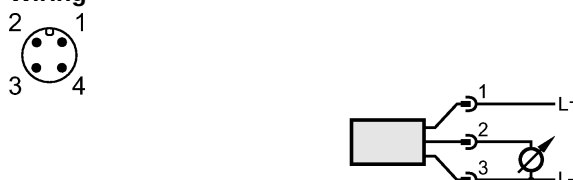
Displays / operating elements

Display

within the operating range yellow (permanently lit)
outside the operating range yellow (flashing)

Electrical connection

II5913 - Inductive sensor - eclass: 27270802 / 27-27-08-02

Connection	M12 connector
Wiring 	

Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	*) for target 45x45x1 mm made of mild steel and frontal approach
Pack quantity	[piece] 1