

Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Analog output 4...20 mA
(linear, gradient: 3.56 mA/mm) *)

Measuring range 0.5...5 mm; [f] 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]

0.5...5

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

$\pm 3\%$; of IA max

Repeatability

$\pm 2\%$; of IA max

Temperature coefficient

$\pm 10\%$; of IA max

Reaction times

Response time [ms]

< 20

Environment

Ambient temperature [$^{\circ}\text{C}$]

-25...80

Protection

IP 67

Tests / approvals

MTTF [Years]

988

Mechanical data

Mounting

flush mountable

Housing materials

housing: brass white bronze coated; active face: PBT

Weight [kg]

0.065

Displays / operating elements

Display

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

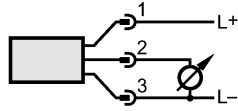
Electrical connection

Connection

M12 connector

Wiring

IG6086 - Inductive sensor - eclass: 27270802 / 27-27-08-02



Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	*) for target 18x18x1 mm made of mild steel and frontal approach
Pack quantity	[piece] 1