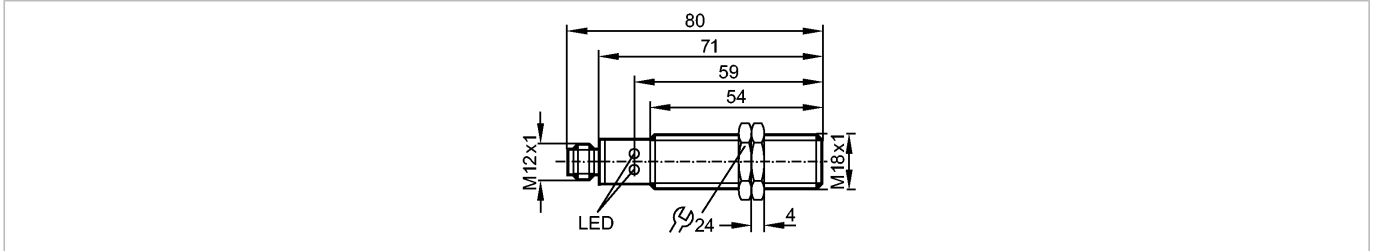




IGA2005-ASI /US-100

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design

AS-i

Operating voltage [V]

26.5...31.6 DC (AS-i)

Current consumption [mA]

< 30

Protection class

III

Reverse polarity protection

yes

Outputs

Short-circuit protection

yes (non-latching)

Overload protection

yes

Monitoring range

Sensing range [mm]

5

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011: class B

AS-i classification

AS-i profile

S-1.1

I/O configuration [hex]

1

ID code [Hex]

1

AS-i certificate

02801

Data bits

Data bit	D0	D1	D2	D3
Designation	switching signal	certain range	ready for operation	not used

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; active face: PC

Weight [kg]

0.075

Displays / operating elements

Output status indication LED

yellow

Function display LED

red (uncertain range/error message)
 Sr: 0...10 % (up to 10 Hz) Sn : 80...115 % (up to 10 Hz)
 wire break of the sensor coil, short-circuit of the sensor coil

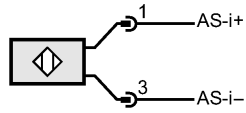
Electrical connection

Connection

M12 connector

Wiring

IG5886 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)

2 lock nuts

Remarks

Remarks

Assured range: approx. 10...80 % of Sn

Pack quantity

[piece]

1

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