

Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

gold-plated contacts

Sensing range 8 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

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

8

Operating distance [mm]

0...6.5

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.46 / copper approx. 0.35

Hysteresis [% of Sr]

1...20

Reaction times

Power-on delay time [ms]

< 1000

Environment

Ambient temperature [°C]

-25...70

Protection

IP 68; "Coolant"

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD  
 EN 61000-4-3 HF radiated: 10 V/m  
 EN 61000-4-4 Burst: 2 kV  
 EN 61000-4-6 HF conducted: 10 V  
 EN 55011: class B

MTTF [Years]

1484

AS-i classification

AS-i version

2.1

Extended addressing mode possible

yes

AS-i profile

S-0.A.F

I/O configuration [hex]

0

ID code [Hex]

A.F

AS-i certificate

57201

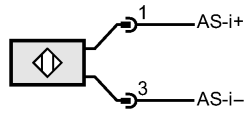
Data bits

Data bit	D0	D1	D2	D3
Designation	switching signal	not used	not used	not used
State = 0	Medium outside the active zone -	-	-	-

**IGC234 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

	State = 1	Medium within the active zone	default value	default value	default value
Mechanical data					
Mounting	flush mountable				
Housing materials	threaded sleeve: stainless steel (316L); active face: LCP uncolored; lock nuts: brass				
Weight [kg]	0.049				
Displays / operating elements					
Output status indication	LED	yellow (4 x 90°)			
Function display	LED	red			
Electrical connection					
Connection	M12 connector; gold-plated contacts				

**Wiring**



Accessories					
Accessories (included)	2 lock nuts				
Remarks					
Pack quantity [piece]	1				