

Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Quick disconnect
Weld field immune
Increased sensing range
gold-plated contacts
Correction factor = 1
Sensing range 22 mm; [nfi] non-flush mountable

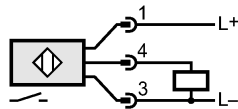
Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC; cULus - Class 2 source required
Current consumption [mA]	< 20
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1000
Monitoring range	
Sensing range [mm]	22
Real sensing range (Sr) [mm]	22 ± 10 %
Operating distance [mm]	0...17.6
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / aluminium approx. 1 / copper approx. 1
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 67
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]	669
UL approval number	A005
Mechanical data	

IIW201 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	non-flush mountable
Housing materials	housing: brass safe-coated; active face: Duroplast (PF)
Weight [kg]	0.117
Displays / operating elements	
Output status indication LED	yellow (4 x 90°)
Electrical connection	
Connection	M12 connector; gold-plated contacts

Wiring



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