

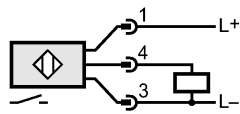
Product characteristics

Inductive sensor	
Metal thread M30 x 1.5	
Quick disconnect	
Weld field immune	
Correction factor = 1	
gold-plated contacts	
Sensing range 10 mm; [f] flush mountable	
Electrical data	
Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 20
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	yes
Overload protection	yes
Switching frequency [Hz]	2000
Monitoring range	
Sensing range [mm]	10
Real sensing range (Sr) [mm]	10 ± 10 %
Operating distance [mm]	0...8.1
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	
Max. electromagnetic field immunity [mT]	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 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20Ω) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]	661

# IIC218 - Inductive sensor - eclass: 27270101 / 27-27-01-01

UL approval number	A005
Mechanical data	
Mounting	flush mountable
Housing materials	stainless steel (316L); active face: LCP white; LED window: PEI; lock nuts: brass white bronze coated
Weight [kg]	0.125
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