

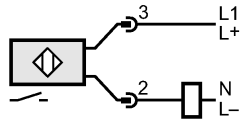
Product characteristics

Inductive sensor	
Metal thread M18 x 1	
Connector	
Increased sensing range	
Gold-plated contacts	
Sensing range 8 mm; [f] flush mountable	
Electrical data	
Electrical design	AC/DC
Operating voltage [V]	20...140 AC/DC (47...63 Hz AC)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 5.5
Minimum load current [mA]	5
Leakage current [mA]	< 1
Current rating	
- Current rating (continuous) [mA]	200
- Current rating (peak) [mA]	\hat{i} : 1.2 A (20 ms / 0.5 Hz)
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	25 AC / 500 DC
Range	
Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10
Reaction times	
Power-on delay time [s]	1
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 68; "Coolant"
Tests / approvals	

IGC001 - Inductive sensor - eclass: 27270101 / 27-27-01-01

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]	394
Mechanical data		
Mounting		flush mountable
Housing materials		housing: Brass white bronze coated; active face: LCP
Weight	[kg]	0.062
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Electrical connection		
Connection		1/2" connector; Gold-plated contacts

Wiring



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