

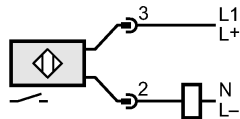
Product characteristics

Inductive sensor	
Metal thread M18 x 1	
Quick disconnect	
Sensing range 5 mm; [f] flush mountable	
Electrical data	
Electrical design	AC/DC
Operating voltage [V]	20...140 AC/DC
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
<b>Current rating</b>	
- Current rating (continuous) [mA]	80; 200 (...80 °C)
- Current rating (peak) [mA]	î: 1.2 A (20 ms / 0.5 Hz)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	25 AC / 400 DC
Monitoring range	
Sensing range [mm]	5
Operating distance [mm]	0...4.05
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...20
Reaction times	
Power-on delay time [s]	1
Environment	
Ambient temperature [°C]	0...100
Protection	IP 68 / IP 69K; "COP"
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: 20hm) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]	394
Mechanical data	
Mounting	flush mountable

# IGT002 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials		threaded sleeve: stainless steel (316L); active face: PEEK (polyether ether ketone); lock nuts: high-grade stainless steel
Weight	[kg]	0.061
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Electrical connection		
Connection		1/2" UNF-Connector

## Wiring



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