
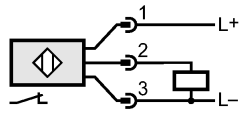


Product characteristics

Inductive sensor	
Metal thread M30 x 1.5	
Quick disconnect	
Sensing range 15 mm; [nf] non-flush mountable	
Electrical data	
Electrical design	
Operating voltage [V]	DC PNP 10...55 DC
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes
Outputs	
Output function	normally closed
Voltage drop [V]	< 2.5
Current rating	
- Current rating (continuous) [mA]	250
- Current rating (peak) [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	250
Monitoring range	
Sensing range [mm]	15
Real sensing range (Sr) [mm]	15 ± 10 %
Operating distance [mm]	0...12.1
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	
EN 60947-5-2	
EN 55011:	class B
MTTF [Years]	1745
Mechanical data	
Mounting	
non-flush mountable	
Housing materials	
stainless steel (303S22); PBT	
Weight [kg]	0.152
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	

II5857 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection	M12 connector
Wiring	
	

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