



Product characteristics

Inductive sensor	
Metal thread M8 x 1	
Cable	
Sensing range 1 mm; [f] flush mountable	
Electrical data	
Electrical design	DC PNP/NPN
Operating voltage [V]	5...36 DC
Protection class	III
Reverse polarity protection	yes
Outputs	
Output function	normally open / closed programmable
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 0.8
Current rating [mA]	200
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	2000
Monitoring range	
Sensing range [mm]	1
Real sensing range (Sr) [mm]	1 ± 10 %
Operating distance [mm]	0...0.8
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 61000-4-2 ESD: 4 kV CD EN 61000-4-3 HF radiated: 3 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 3 V EN 55011 (Emission): class B
MTTF [Years]	3338
Mechanical data	
Mounting	flush mountable
Housing materials	brass white bronze coated; active face: PBT; lock nuts: brass
Weight [kg]	0.046
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PUR / PVC cable / 2 m; 2 x 0.14 mm ²

IE5222 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring

Core colors

BK black

WH white



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1