



CE

Product characteristics

Inductive sensor

Metal thread M12 x 1

Connector

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP/NPN	
Operating voltage [V]	10...36 DC	
Protection class	II	
Reverse polarity protection	yes	
Outputs		
Output function	normally open	
Voltage drop [V]	< 4.6	
Minimum load current [mA]	4	
Leakage current [mA]	< 0.6	
Current rating [mA]	150	
Short-circuit protection	pulsed	
Overload protection	yes	
Switching frequency [Hz]	1200	
Range		
Sensing range [mm]	2	
Real sensing range (Sr) [mm]	2 ± 10 %	
Operating distance [mm]	0...1.6	
Accuracy / deviations		
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / copper approx. 0.05	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-10...10	
Environment		
Ambient temperature [°C]	-25...80	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011:	class B
MTTF [Years]	2744	
Mechanical data		
Mounting	flush mountable	
Housing materials	Brass nickel-plated; PC (polycarbonate)	

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Weight	[kg]	0.027
Displays / operating elements		
Output status indication	LED	Red
Electrical connection		
Connection		M12 connector
<b>Wiring</b>		
2	1	
3	4	

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

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