efectorioo

IB5169

IB-2020-FRKG/US-104-IRF



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Product characteristics			
Inductive sensor			
Plastic housing Ø 34 mm			
Quick disconnect			
Sensing range 20 mm; [nf] non-flush mountable			
Electrical data			
Electrical design		DC PNP/NPN	
Operating voltage	[V]	1036 DC	
Protection class		II	
Reverse polarity protectio	n	yes	
Outputs			
Output function		normally open / closed programmable	
Voltage drop	[V]	< 4.6	
Minimum load current	[mA]	4	
Leakage current	[mA]	< 1	
Current rating	[mA]	250	
Short-circuit protection		yes	
Overload protection		yes	
Switching frequency	[Hz]	200	
Monitoring range			
Sensing range	[mm]	20	
Real sensing range (Sr)	[mm]	20 ± 10 %	
Operating distance	[mm]	016.2	
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]	115	
Switch-point drift	[% of Sr]	-1010	
Environment			
Ambient temperature	[°C]	-2570	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[Years]	2200	
Mechanical data			
Mounting		non-flush mountable	
Housing materials		PBT; connector housing: brass PTFE-coated	

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IB5169

Pack quantity

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Displays / operating elements			
Output status indication LED	yellow (4 x 90°)		
Electrical connection			
Connection	M12 connector		
Wiring 2 3 4	1		
Accessories			
Accessories (included)	Mounting clamp		
Remarks			

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[piece]

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