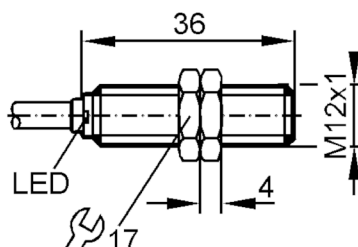


Inductive sensor

IFC2004-FRKG/0,1M/US-100-IRFRT

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1

Electrical data

Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.8
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	1400
Short-circuit protection	yes
Type of short-circuit protection	pulsed

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Overload protection	yes	
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Materials	PBT; PUR	
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

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Electrical connection - plug

Cable: 0.1 m, PVC

Connector: 1 x M12; coding: A

