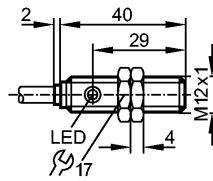


IF5723

IFB2002-FRKG/PH

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M12 x 1
Cable
Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...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]	< 0.5
Current rating [mA]	150
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1200

Monitoring 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 / 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 CD / 8 AD 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 60947-5-2 EN 55011: class B
MTTF [Years]	2554

Mechanical data

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Inductive sensors

Mounting	flush mountable
Housing materials	brass nickel-plated; PC (polycarbonate)
Weight [kg]	0.085

Displays / operating elements	
Output status indication	LED yellow

Electrical connection	
Connection	PUR / PVC cable / 2 m; 2 x 0.34 mm ²

Wiring

Core colors
 BK black
 WH white



Accessories	
Accessories (included)	2 lock nuts

Remarks	
Pack quantity [piece]	1