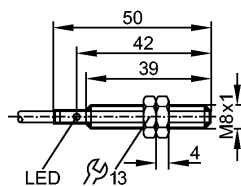


IE5202

IE-2002-FROG/PH

Inductive sensors


Product characteristics

Inductive sensor

Plastic thread M8 x 1

Cable

Sensing range 2 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	5...36 DC
Protection class	III
Reverse polarity protection	no

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]	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 60947-5-2 EN 55011: class B
MTTF [Years]	3338

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT (Pocan); ARNITEL
Weight [kg]	0.038



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Inductive sensors

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PUR / PVC cable / 2 m; 2 x 0.14 mm²
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Wiring

Core colors

BK black

WH white



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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