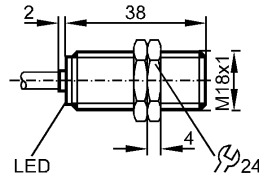


IG5933

IGC2008-FRKG/PH

Inductive sensors



Product characteristics

Inductive sensor
Plastic thread M18 x 1
Cable
Sensing range 8 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC; "supply class 2" to cULus.
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open / closed programmable
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 0.1
Current rating [mA]	150
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300

Range

Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	3...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 kV CD / 8 kV AD
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Inductive sensors

	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 55011 (Emission):	class B
MTTF	[Years]	2455

Mechanical data

Mounting	non-flush mountable
Housing materials	housing: PBT; lock nuts: plastics
Weight	[kg] 0.102

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PVC cable / 2 m; 2 x 0.5 mm ²
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Wiring

Core colours

BK black

WH white



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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