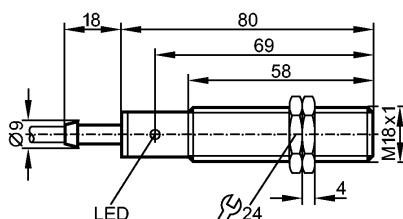


**IG5533**

IG-2008-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...55 DC
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]	< 0.8
Current rating [mA]	400
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	300

**Monitoring 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. 0.4 / 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]	1806

**Mechanical data**

Mounting	non-flush mountable
Housing materials	PBT

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Weight	[kg]	0.109
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### Displays / operating elements

Output status indication	LED	yellow
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### Electrical connection

Connection	PUR / PVC cable / 2 m; 2 x 0.5 mm <sup>2</sup>
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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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