

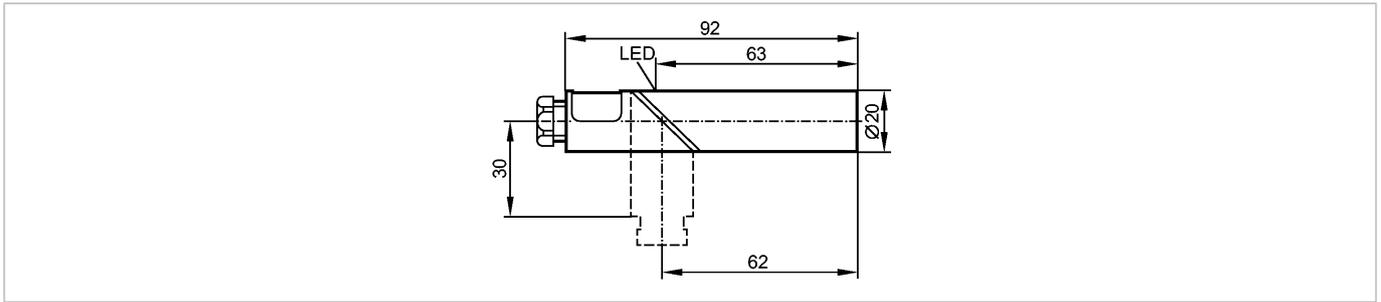


IA5122

IAE2010-FRKG



Inductive sensors



Product characteristics

Inductive sensor
Plastic housing Ø 20 mm
Terminals
Sensing range 10 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]	5
Leakage current [mA]	< 1
Current rating [mA]	300
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300

Range

Sensing range [mm]	10
Real sensing range (Sr) [mm]	10 ± 10 %
Operating distance [mm]	0...8.1

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...80
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1759

Mechanical data

Mounting	non-flush mountable
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Housing materials PBT; LED window: PC

Weight [kg] 0.084

Displays / operating elements

Output status indication LED yellow

Electrical connection

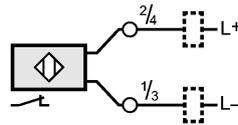
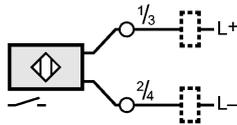
Connection terminals up to 2.5 mm²; cable diameter 4.5...10 mm, cable gland M16 x 1.5

Wiring

Core colours

BK black

WH white



Accessories

Accessories (included) Mounting clamp

Remarks

Pack quantity [piece] 1