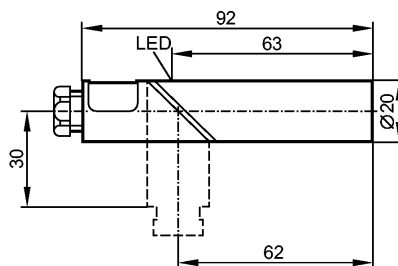


IA5062

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor

Plastic housing Ø 20 mm

Terminals

Sensing range 10 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
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]	1147

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT; end cap: polycarbonate



IA5062

Inductive sensors

Weight [kg] 0.083

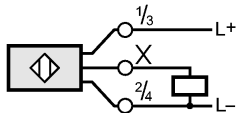
Displays / operating elements

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



Accessories

Accessories (included) Mounting clamp

Remarks

Pack quantity 1