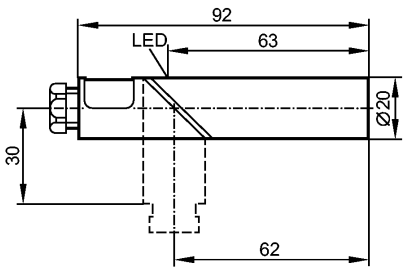
efector100

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

Weight	[kg]	0.083

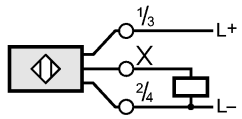
Displays / operating elements

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