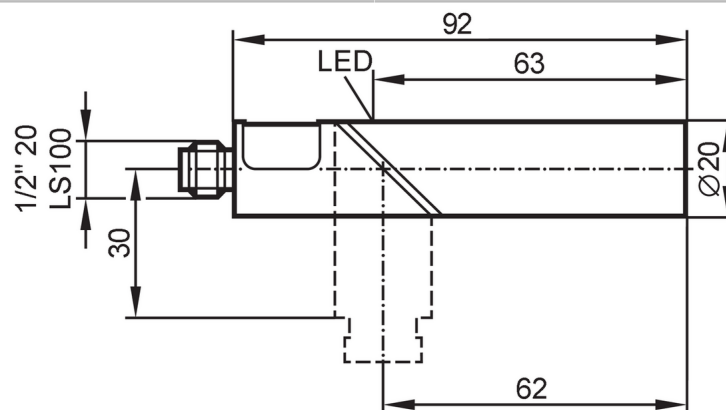




Inductive sensor

IAE2010-FBOA/LS100AK



Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	10
Housing		tubular
Dimensions	[mm]	Ø 20 / L = 92

Application

Application	Industrial applications
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Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	70
Short-circuit protection		no
Overload protection		no

Monitoring range

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

IA3500



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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Weight	[g]	99.79
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20 / L = 92
Material		housing: PBT; LED window: PC

Displays / operating elements

Display	Switching status	1 x LED, red
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Accessories

Items supplied	Mounting clamp: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Contacts: 3



Connection

