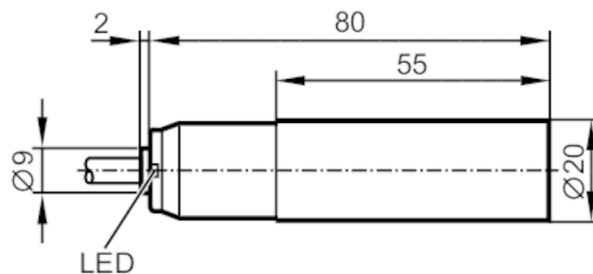


Inductive sensor

IA-2010-ARKG/UP/6M

RT



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	10
Housing	cylindrical
Dimensions [mm]	Ø 20 / L = 80

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.8
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of Sr]	3...15
Switch point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
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IA5121



Inductive sensor

IA-2010-ARKG/UP/6M RT

Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1862

Mechanical data

Weight	[g]	340
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20 / L = 80
Materials		PBT

Displays / operating elements

Display	switching status	1 x LED, red
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Accessories

Items supplied	Mounting clamps: 1
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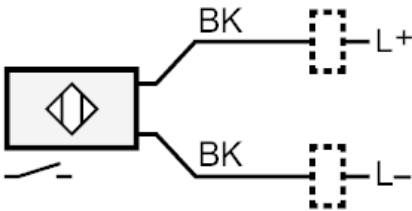
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 6 m, PVC; 2 x 0.5 mm²

Connection



BK = Core colours :
 black