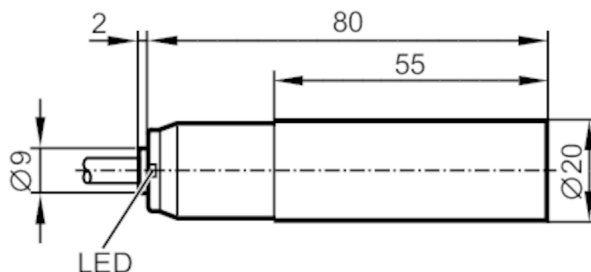


IA5121



Inductive sensor

IA-2010-ARKG/UP/6M RT



Product characteristics

Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	10
Housing		tubular
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		yes (non-latching)
Overload protection		yes

Monitoring range

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 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10

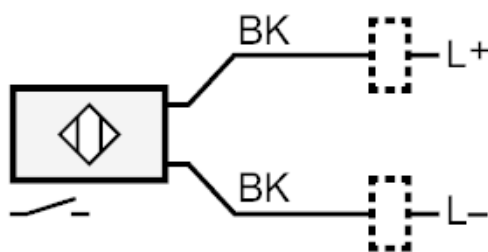
IA5121



Inductive sensor

IA-2010-ARKG/UP/6M RT

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1862
Mechanical data		
Weight	[g]	340
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20 / L = 80
Material		PBT
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied		Mounting clamp: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PVC; 2 x 0.5 mm ²		
Connection		



Core colors :

BK = black