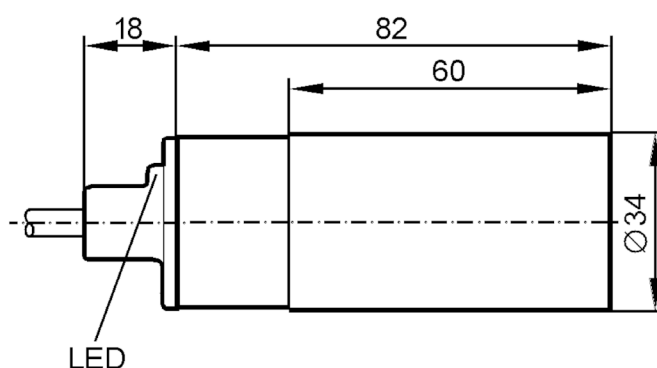




Inductive sensor

IB-2020-ARKG/6M/PVC

Article no longer available - archive entry



Product characteristics

Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	20
Housing		tubular
Dimensions	[mm]	Ø 34

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	0.6; (24 V)
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]	0.6
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	300
Short-circuit protection		yes

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Inductive sensor

IB-2020-ARKG/6M/PVC

Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	tubular	
Mounting	non-flush mountable	
Dimensions	[mm]	Ø 34
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	Mounting clamp: 1	
Remarks		
Pack quantity	1 pcs.	

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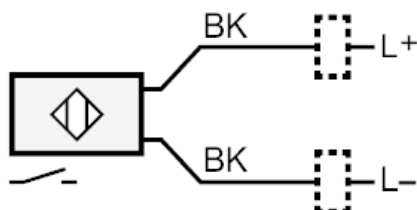
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IB-2020-ARKG/6M/PVC

Electrical connection

Cable: 6 m, PVC; 2 x 0.34 mm²

Connection



BK =

Core colors :
black