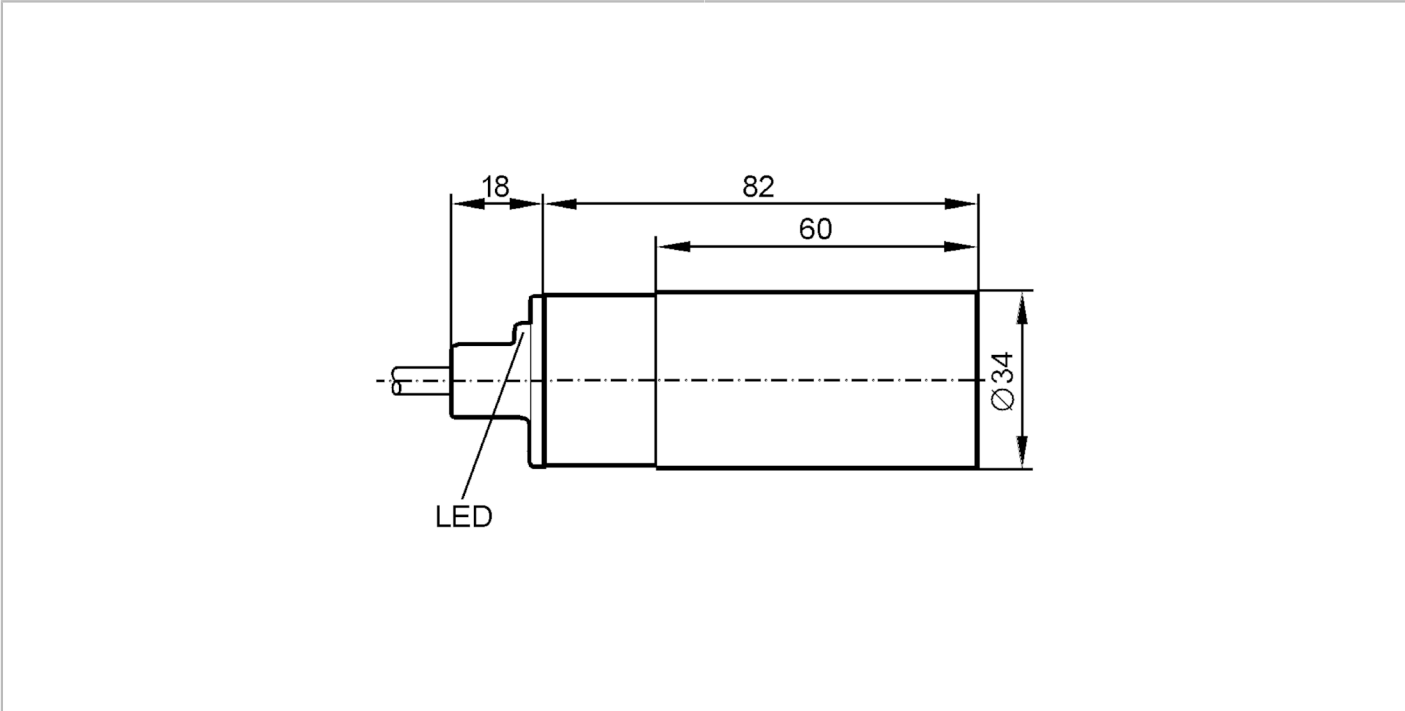




Inductive sensor

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	cylindrical
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

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Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
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 / aluminium: 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	cylindrical	
Mounting	non-flush mountable	
Dimensions	[mm]	Ø 34
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	Mounting clamps: 1	
Remarks		
Pack quantity	1 pcs.	

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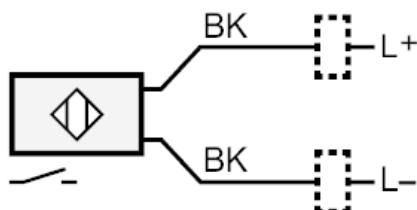
Inductive sensor

IB-2020-ARKG/6M/PVC

Electrical connection

Cable: 6 m, PVC; 2 x 0.34 mm²

Connection



BK =

Core colours :
black