

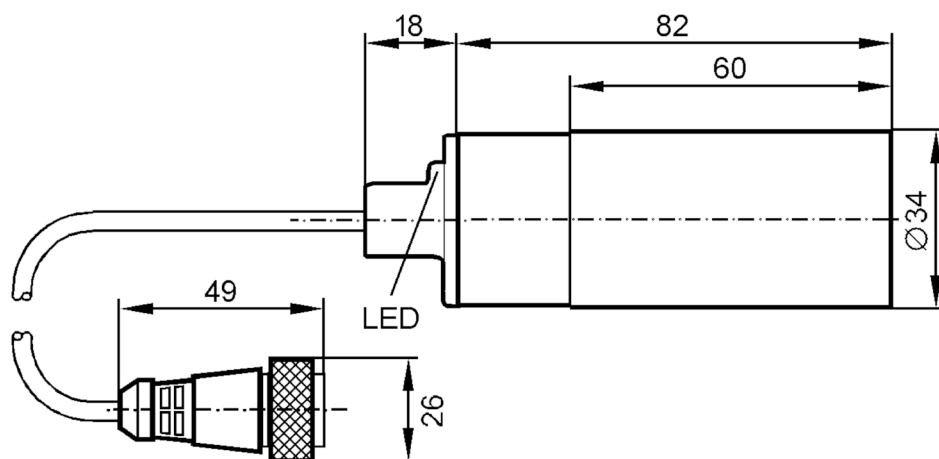
IB9215



Inductive sensor

IB-2020-ARKG/2M/PVC/WS

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/2M/PVC/WS

Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range	
Sensing range [mm]	20
Real sensing range S_r [mm]	$20 \pm 10 \%$
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 S_r]	3...15
Switch-point drift [% of S_r]	-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

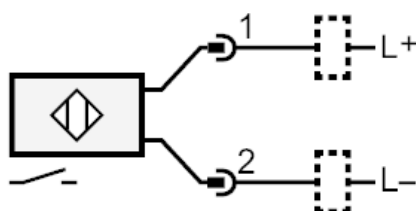
Accessories	
Items supplied	Mounting clamp: 1

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 2 m, PVC

Connection



Connector: 1 x Ø 26 mm