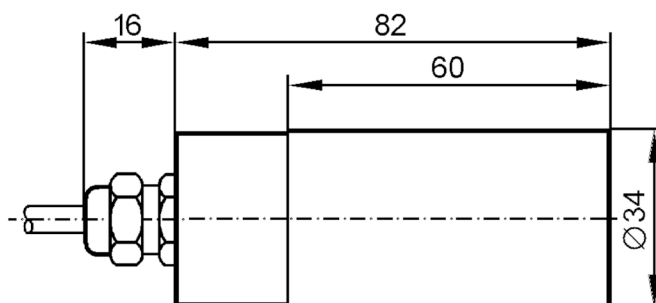




Inductive sensor

IB-2020-ABOA/SRI/20M/PVC/IP68

Article no longer available - archive entry



Product characteristics

Output function		normally open
Sensing range	[mm]	20
Housing		cylindrical
Dimensions	[mm]	Ø 34

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25

IB4000



Inductive sensor

IB-2020-ABOA/SRI/20M/PVC/IP68

Switching frequency DC	[Hz]	50
Short-circuit protection		no
Overload protection		no

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: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 68

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34
Materials		brass nickel-plated; PPE

Accessories

Items supplied		Mounting clamps: 1
----------------	--	--------------------

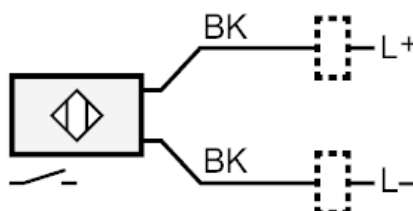
Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

Cable: 20 m, PVC; 2 x 0.5 mm²

Connection



BK = Core colours :
black