



Inductive sensor

IB-4020-CPKG/12m

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Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	20
Housing	tubular
Dimensions [mm]	Ø 34 / L = 82

Electrical data

Operating voltage [V]	10...30 DC
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	complementary
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	40
Short-circuit protection	yes
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: 0.54 / aluminum: 0.5 / copper: 0.46
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

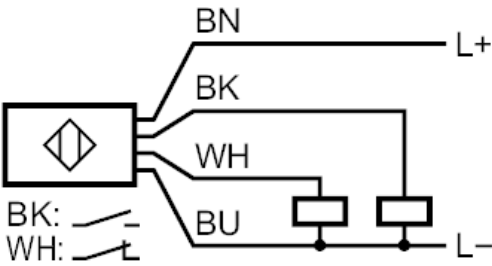
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Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	tubular	
Mounting	non-flush mountable	
Dimensions	[mm]	Ø 34 / L = 82
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	Mounting clamp: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 2 m, PVC; 4 x 0.5 mm²		
Connection		



	Core colors :
BK =	black
BN =	brown
BU =	blue
WH =	white