

IK7001



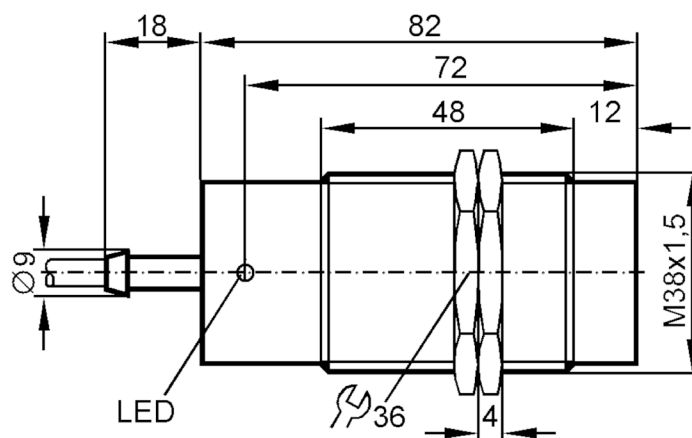
Inductive sensor

SIK-3020-BPKG

Article no longer available - archive entry

Alternative articles: IIT207

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	20
Housing	Threaded type
Dimensions [mm]	M38 x 1.5

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	60
Short-circuit protection	yes

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Inductive sensor

SIK-3020-BPKG

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]	1...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	Threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M38 x 1.5
Thread designation	M38 x 1.5	
Material	brass white bronze coated; PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

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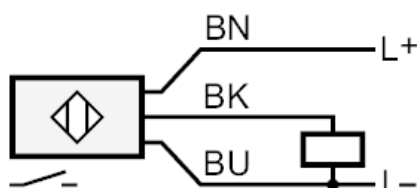
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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