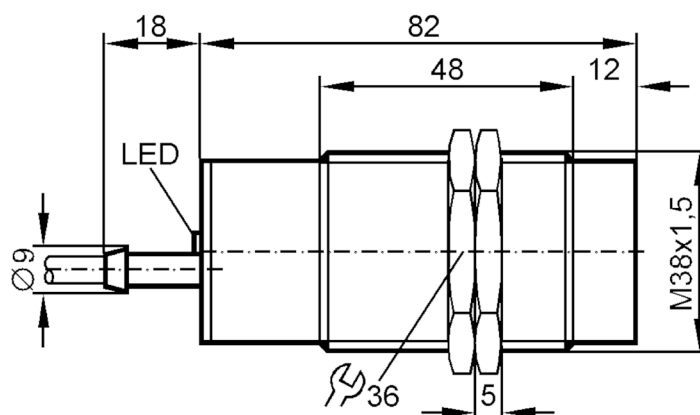


Inductive sensor

IK-2020-ABOA/SL/6M

Article no longer available - archive entry



Product characteristics

Output function		normally open
Sensing range	[mm]	20
Housing		threaded type
Dimensions	[mm]	M38 x 1.5

Electrical data

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

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	6.5
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]	20

**Inductive sensor**

IK-2020-ABOA/SL/6M

Switching frequency DC	[Hz]	20
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: 0.5 / aluminium: 0.4 / copper: 0.3
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		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M38 x 1.5
Thread designation		M38 x 1.5
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

IK0001



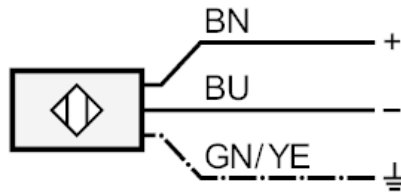
Inductive sensor

IK-2020-ABOA/SL/6M

Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



BN =	Core colours :
BU =	brown
GN/YE =	blue
	green/yellow