

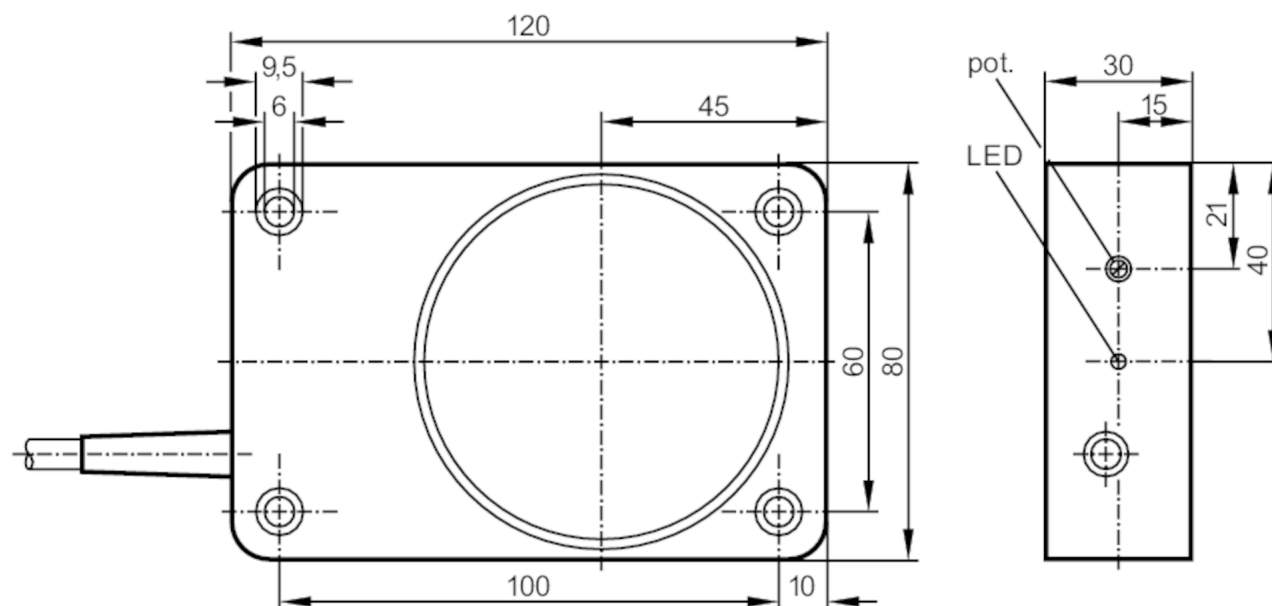
Inductive sensor

ID-3050-BNKG

Article no longer available - archive entry

Alternative articles: ID5023

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



Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	50
Housing	rectangular
Dimensions [mm]	120 x 80 x 30

Electrical data

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

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	8
Short-circuit protection	yes

**Inductive sensor**

ID-3050-BNKG

Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	50
Sensing range adjustable	yes
Factory setting sensing range [mm]	50
Real sensing range Sr [mm]	50 ± 10 %
Operating distance [mm]	0...40.5
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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 65
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
Mechanical data	
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	120 x 80 x 30
Materials	PPE modified
Displays / operating elements	
Display	switching status 1 x LED, yellow
Accessories	
Items supplied	screwdriver: 1
Remarks	
Pack quantity	1 pcs.

ID5029



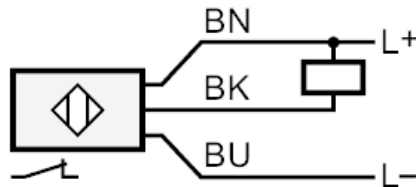
Inductive sensor

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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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