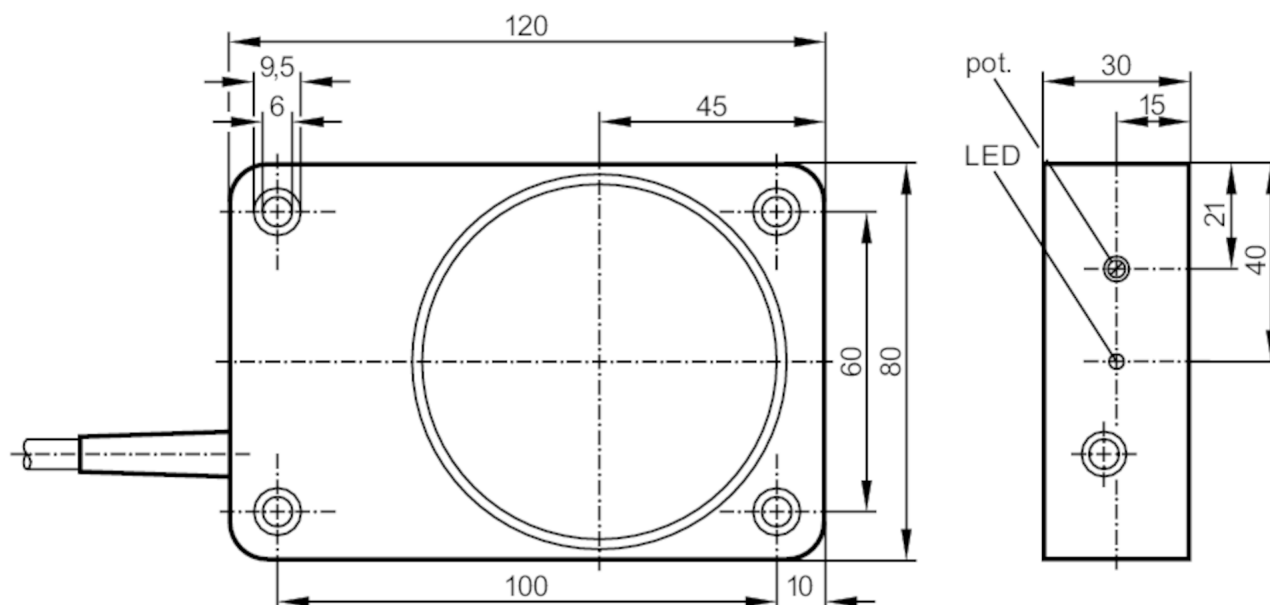


Capacitive sensor

KD-2060-BBOA/NI

Article no longer available - archive entry



Product characteristics

Output function		normally closed
Sensing range	[mm]	60
Housing		rectangular
Dimensions	[mm]	120 x 80 x 30

Electrical data

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

Outputs

Output function		normally closed
Max. voltage drop switching output DC	[V]	8
Max. voltage drop switching output AC	[V]	10
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.7 (110 V AC) / 1.3 (24 V DC)
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Permanent current rating of switching output DC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	1500; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	10
Switching frequency DC	[Hz]	10



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Short-circuit proof	no
Overload protection	no
Detection zone	
Sensing range [mm]	60
Real sensing range Sr [mm]	60 ± 10 %
Operating distance [mm]	0...48.6
Accuracy / deviations	
Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-15...15
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 65
Increased immunity	yes
Tests / approvals	
EMC	IEC 60947-5-2
Mechanical data	
Weight [g]	0.397
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
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Items supplied	screwdriver: 1
	spring washers: 4
	cylinder screws: 4
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

KD0013



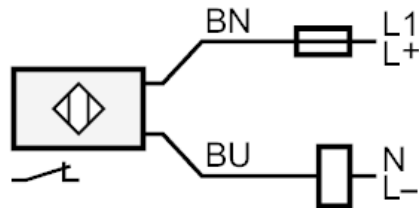
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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 $\leq$ 2 A fast acting
Core colours :

BN =

brown

BU =

blue