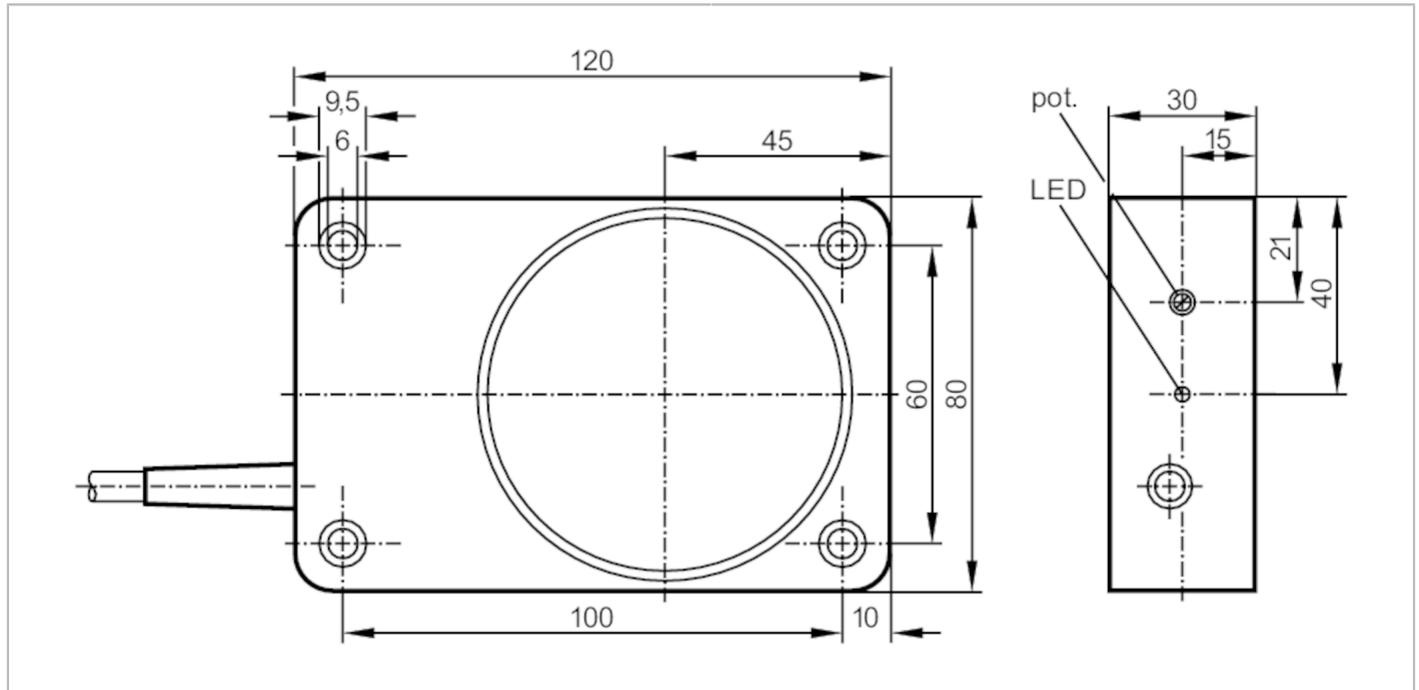


# KD0012



## Capacitive sensor

KD-2060-ABO/NI



### Product characteristics

Output function		normally open
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 open
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
Short-circuit proof		no

# KD0012



## Capacitive sensor

KD-2060-ABOA/NI

Overload protection		no
<b>Monitoring range</b>		
Sensing range	[mm]	60
Real sensing range Sr	[mm]	60 ± 10 %
Operating distance	[mm]	0...48.6
<b>Accuracy / deviations</b>		
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
<b>Operating conditions</b>		
Ambient temperature	[°C]	-25...80
Protection		IP 65
<b>Tests / approvals</b>		
EMC		EN 60947-5-2
MTTF	[years]	281
<b>Mechanical data</b>		
Weight	[g]	401
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	120 x 80 x 30
Material		PPE modified
<b>Displays / operating elements</b>		
Display	Switching status	1 x LED, yellow
<b>Electrical connection</b>		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
<b>Accessories</b>		
Items supplied		spring washers: 4 cylinder screws: 4
<b>Remarks</b>		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

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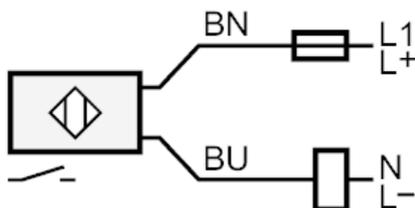
## Capacitive sensor

KD-2060-ABOA/NI

### Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



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

BN =

brown

BU =

blue