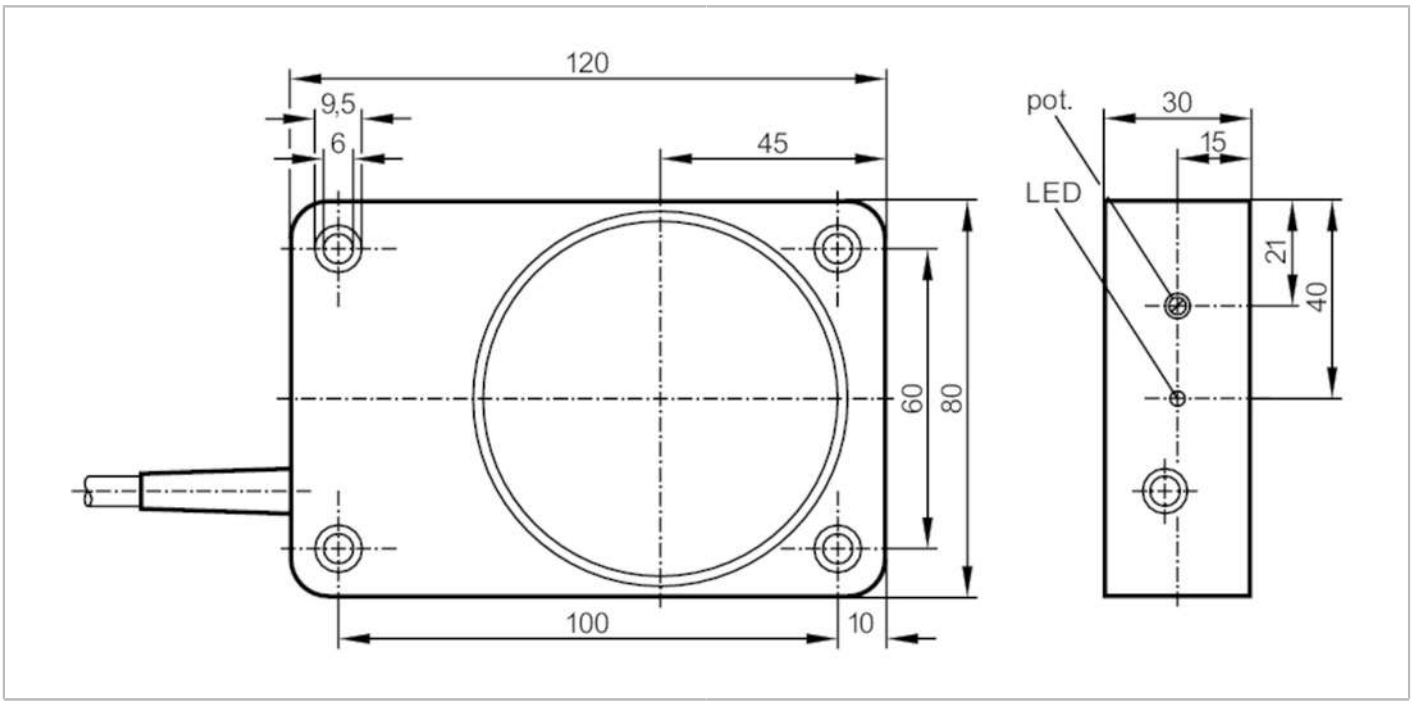
KD0012

Capacitive sensor

KD-2060-ABOA/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	
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	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	281	
Mechanical data			
Weight	[g]	401	
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		spring washers: 4	
		cylinder screws: 4	
Remarks			
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity		1 pcs.	

KD0012

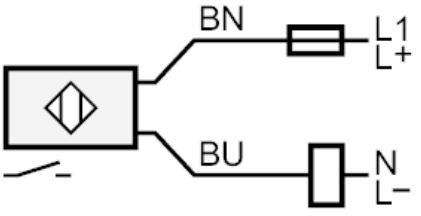
Capacitive sensor

KD-2060-ABOA/NI

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
Core colours :

BN = brown
BU = blue