

Capacitive sensor

KB-3020-ANKG/NI/6M

phase-out article



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	3...20
Housing	cylindrical
Dimensions [mm]	Ø 34 / L = 81

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	13; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	40
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	3...20
Sensing range adjustable	yes
Factory setting sensing range [mm]	20
Real sensing range S_r [mm]	$20 \pm 10 \%$
Operating distance [mm]	0...16.2

Accuracy / deviations

Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
-------------------	--

KB5205



Capacitive sensor

KB-3020-ANKG/NI/6M

Hysteresis	[X01]	1...15
Switch point drift	[X01]	-15...15

Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65
Increased immunity		yes; (increased immunity to conducted radio frequency interference)

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[ANN]	739

Mechanical data		
Weight	[g]	429.8
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 81
Materials		PBT

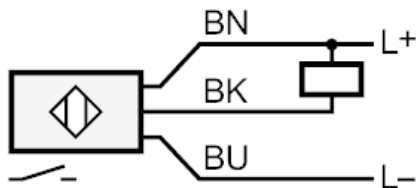
Displays / operating elements		
Display	switching status	1 x LED, yellow

Аксессуары		
Items supplied	кріпильні хомути: 1	
	screwdriver: 1	

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 6 m, PVC; 3 x 0.5 mm²		

Connection		
------------	--	--



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