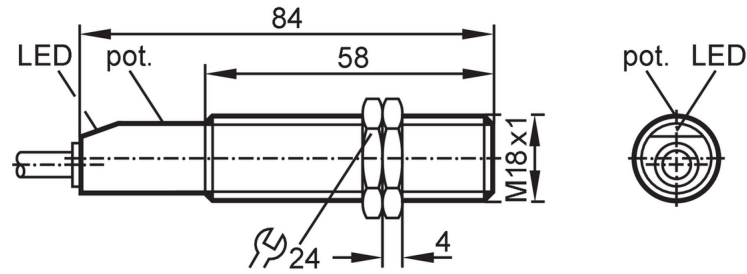


KG5046



Capacitive sensor

KG-3008-BNKG/NI



Product characteristics

Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 84

Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 10 (24 V DC) / < 15 (36 V DC)
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]	50
Short-circuit proof		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	8
Sensing range adjustable		yes
Factory setting sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5

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 67

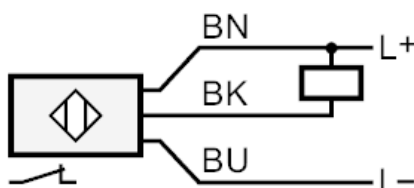
KG5046



Capacitive sensor

KG-3008-BNKG/NI

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]		671
Mechanical data		
Weight [g]		125
Housing		threaded type
Mounting		non-flush mountable
Dimensions [mm]		M18 x 1 / L = 84
Thread designation		M18 x 1
Materials		housing: PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.34 mm ²		
Connection		



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