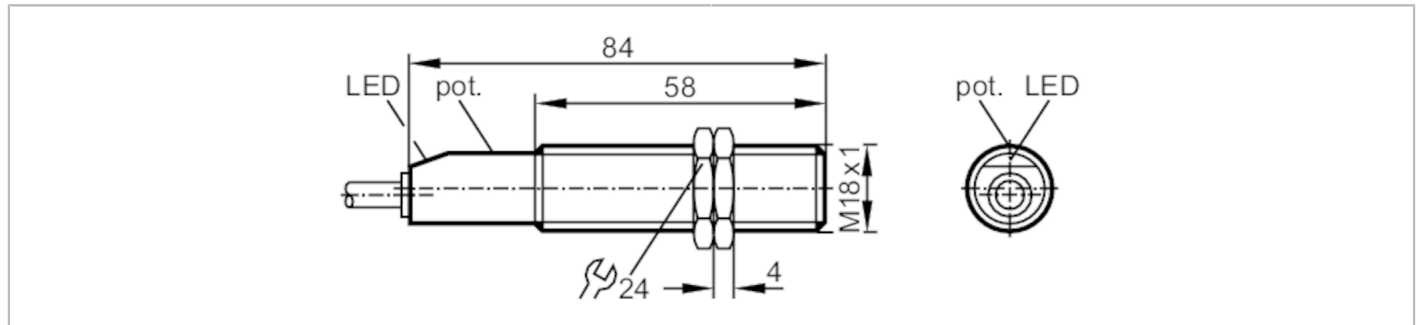


# KG5043



## Capacitive sensor

KG-3008-BPKG/NI



Product characteristics		
Electrical design		PNP
Output function		normally open
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" according to UL)
Current consumption	[mA]	< 10 (24 V) / < 15 (36 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
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]	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

# KG5043



## Capacitive sensor

KG-3008-BPKG/NI

Protection	IP 67
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### Tests / approvals

EMC	EN 60947-5-2
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MTTF [years]	648
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### Mechanical data

Weight [g]	124.5
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Housing	threaded type
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Mounting	non-flush mountable
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Dimensions [mm]	M18 x 1 / L = 84
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Thread designation	M18 x 1
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Materials	PBT
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### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Items supplied	lock nuts: 2
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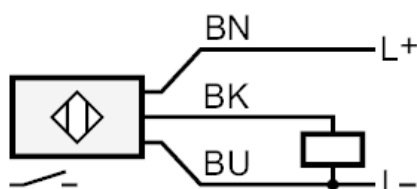
### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



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