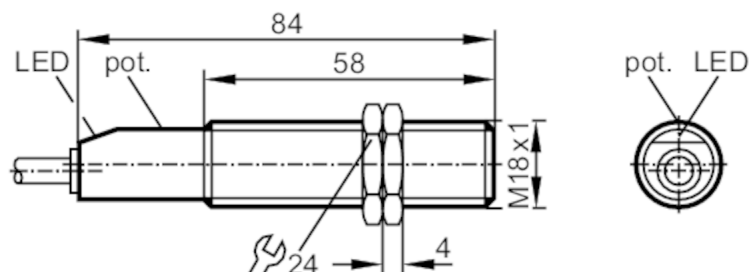


KG5046

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; (cULus - Class 2 source required)
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

Monitoring range

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
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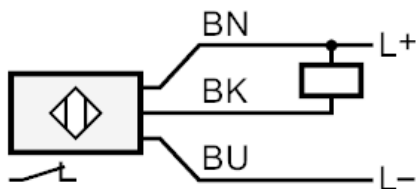
KG5046



Capacitive sensor

KG-3008-BNKG/NI

Protection		IP 67	
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	
Material		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 mm²			
Connection			



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