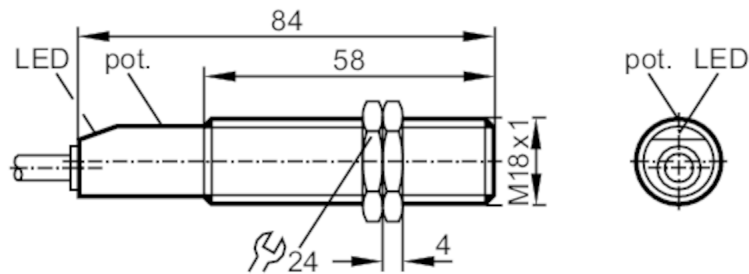


KG5046



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

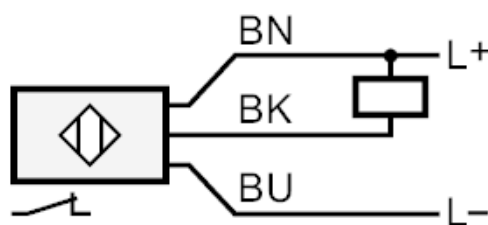
KG5046



Capacitive sensor

KG-3008-BNKG/NI

Operating conditions		
Ambient temperature	[°C]	-25...80
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 mm ²		
Connection		



Core colors :

BN = brown
BU = blue
BK = black