

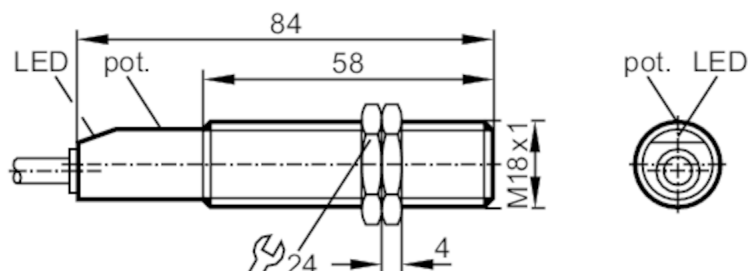
Capacitive sensor

KG-3002-BNKG/NI

Article no longer available - archive entry

Alternative articles: KG5046

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	1.6; (fixed, sealed with screw retaining compound)
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 84

Electrical data

Operating voltage [V]	10...36 DC
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 protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	1.6; (fixed, sealed with screw retaining compound)
Real sensing range Sr [mm]	1.6; ($\pm 0,1$)

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

KG5055



Capacitive sensor

KG-3002-BNKG/NI

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67
Increased immunity		yes

Tests / approvals

EMC	EN 60947-5-2	
-----	--------------	--

Mechanical data

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
---------	------------------	-----------------

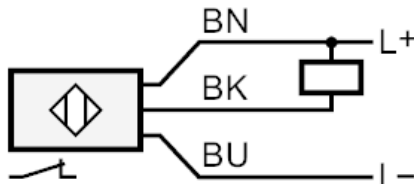
Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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