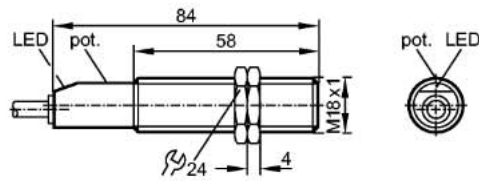


**KG5044**

KG-3008-APKG/NI

Capacitive sensors



Made in Germany



**Product characteristics**

Capacitive sensor
Plastic thread M18 x 1
Cable
Increased immunity to conducted radio frequency interference
Sensing range 8 mm; adjustable; [nf] non-flush mountable

**Electrical data**

Electrical design	DC PNP
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**

Output function	Normally closed
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	50

**Range**

Sensing range [mm]	8, adjustable
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

**Accuracy / deviations**

Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-15...15

**Environment**

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

**Tests / approvals**

EMC	EN 60947-5-2
MTTF [Years]	648

**Mechanical data**

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.123

**Displays / operating elements**

Output status indication LED	yellow
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**KG5044**

KG-3008-APKG/NI

Capacitive sensors

**Electrical connection**

Connection	PVC cable / 2 m; 3 x 0.34 mm <sup>2</sup>
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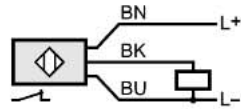
**Wiring**

Core colours

BN brown

BU blue

BK black



**Accessories**

Accessories (included)	2 lock nuts; screwdriver
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**Remarks**

Remarks	*) cULus - Class 2 source required
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Pack quantity	[piece]	1
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