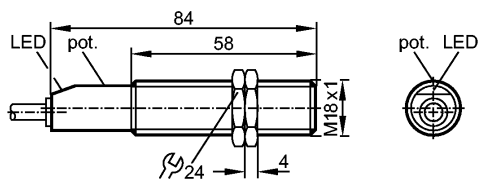


KG5046

KG-3008-BNKG/NI

Capacitive sensors



Product characteristics

Capacitive sensor
Plastic thread M18 x 1
Cable
Sensing range 8 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design	DC NPN
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

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

Monitoring 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	IEC 60947-5-2:	2007
MTTF [Years]		671

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.122

Displays / operating elements

Output status indication	LED	yellow
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KG5046

KG-3008-BNKG/NI

Capacitive sensors

Electrical connection

Connection	PVC cable / 2 m; 3 x 0.34 mm ²
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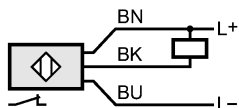
Wiring

Core colors

BN brown

BU blue

BK black



Accessories

Accessories (included)	2 lock nuts; screwdriver
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Remarks

Pack quantity	[piece]	1
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