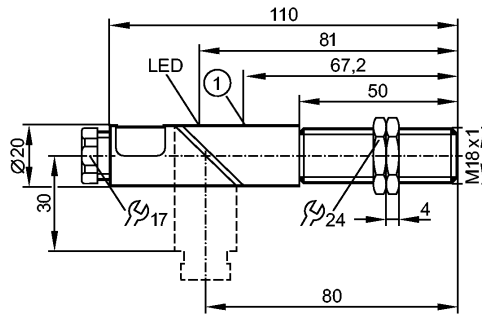


KG0008

KGE2008-FBOA/NI

Capacitive sensors



1: potentiometer

Made in Germany



Product characteristics	
Capacitive sensor	
Plastic thread M18 x 1	
Terminals	
Sensing range 8 mm; [nf] non-flush mountable	
Electrical data	
Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	no
Outputs	
Output function	normally open / closed programmable
Voltage drop [V]	< 6
Minimum load current [mA]	4
Leakage current [mA]	< 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC)
Current rating	
- Current rating (continuous) [mA]	350 AC (...50 °C) / 150 AC (...80 °C) / 100 DC
- Current rating (peak) [mA]	î: 2.1 A (20 ms / 0.5 Hz)
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	25 AC / 50 DC
Range	
Sensing range [mm]	8
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 65
Tests / approvals	
EMC	IEC 60947-5-2: 1997 + A1: 1999 + A2: 2003

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Capacitive sensors

MTTF	[Years]	323
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Mechanical data

Mounting		non-flush mountable
Housing materials		PBT
Weight	[kg]	0.084

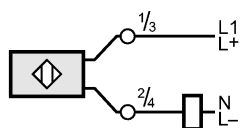
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	terminals up to 2.5 mm ² ; cable diameter 4.5...10 mm, cable gland M16 x 1.5	
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Wiring



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)

Accessories

Accessories (included)	2 lock nuts; screwdriver	
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Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.	
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Pack quantity	[piece]	1
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