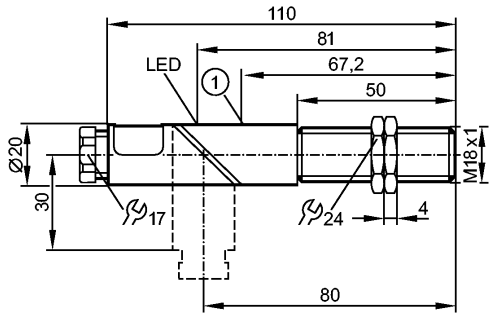
efectorISO

KG0008

KGE2008-FBOA/NI

Capacitive sensors



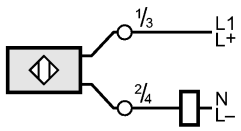
1: potentiometer

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

MTTF	[Years]	323
Mechanical data		
Mounting		non-flush mountable
Housing materials		PBT
Weight	[kg]	0.084
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		terminals up to 2.5 mm²; cable diameter 4.5...10 mm, cable gland M16 x 1.5

Wiring



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

Accessories		
Accessories (included)		2 lock nuts; screwdriver
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	[piece]	1