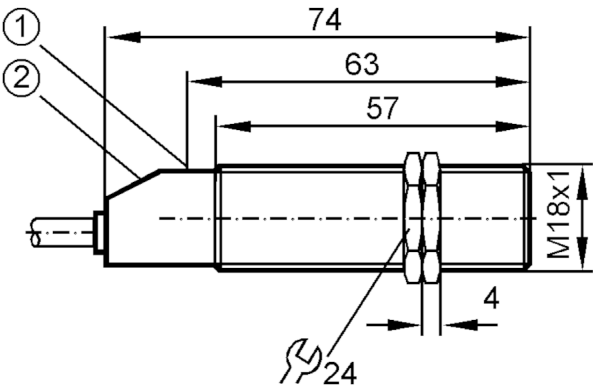




Capacitive sensor

KG-2008-BBOA/NI

Article no longer available - archive entry



- 1 pushbuttons
- 2 LED 3 x



Product characteristics

Output function	normally closed
Sensing range [mm]	2.5...8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 74

Application

System	optical setting aid
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Electrical data

Operating voltage [V]	30...250 AC / 20...250 DC
Protection class	II
Reverse polarity protection	no

Outputs

Output function	normally closed
Max. voltage drop switching output DC [V]	8
Max. voltage drop switching output AC [V]	10
Minimum load current [mA]	5
Max. leakage current [mA]	2.5 (250 V AC) / 2.2 (110 V AC) / 2.0 (24 V DC)
Permanent current rating of switching output AC [mA]	90; (180 (...40 °C))



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Permanent current rating of switching output DC	[mA]	90; (180 (...40 °C))	
Short-time current rating of switching output	[mA]	1000; (20 ms / 0,5 Hz)	
Switching frequency AC	[Hz]	20	
Switching frequency DC	[Hz]	20	
Short-circuit proof		no	
Overload protection		no	
Monitoring range			
Sensing range	[mm]	2.5...8	
Sensing range adjustable		yes	
Factory setting sensing range	[mm]	8	
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	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65	
Increased immunity		yes	
Tests / approvals			
EMC	IEC 60947-5-2		
Mechanical data			
Housing	Threaded type		
Mounting	non-flush mountable		
Dimensions	[mm]	M18 x 1 / L = 74	
Thread designation	M18 x 1		
Material	PBT		
Displays / operating elements			
Display	Switching status	1 x LED, yellow	
	Setting aid	1 x LED, red	
Optical setting aid	yes		
Electrical connection			
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting		
Accessories			
Items supplied	lock nuts: 2		
Remarks			
Remarks	Recommendation: check the unit for reliable function after a short circuit.		
Pack quantity	1 pcs.		

KG0007



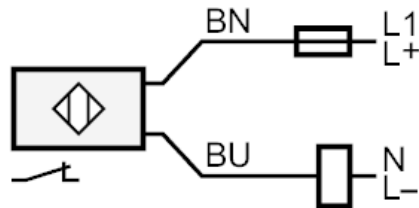
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Electrical connection

Cable: 2 m, PVC; 2 x 0.34 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting