KG0001

Capacitive sensor

KGE2008-FBOA

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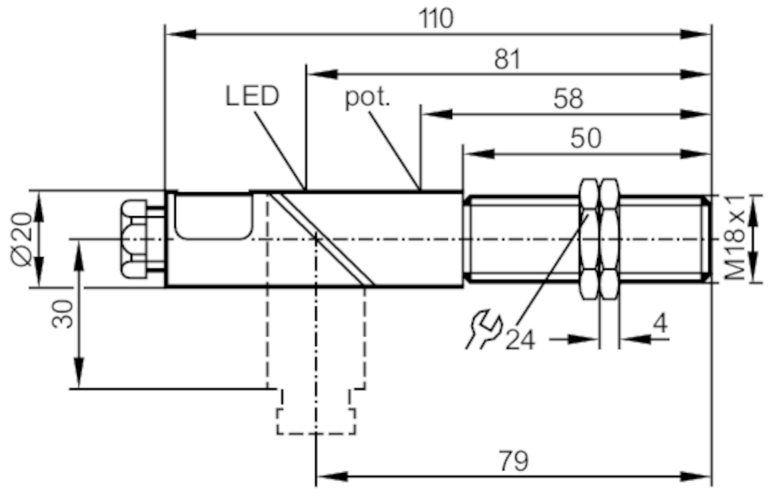
Alternative articles: KG0008

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 110
Electrical data		
Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6
Minimum load current	[mA]	4
Max. leakage current	[mA]	2.0 (250 V AC) / 1.5 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2100; (50 ms / 1 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	50
Short-circuit protection		no

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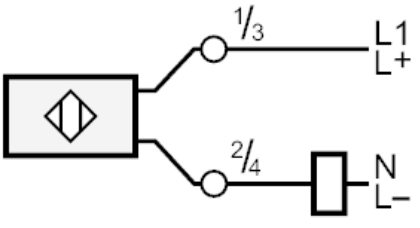
Overload protection			no
Detection zone			
Sensing range	[mm]		8
Real sensing range Sr	[mm]		8 ± 10 %
Operating distance	[mm]		0...6.5
Accuracy / deviations			
Correction factor			glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]		1...15
Switch point drift	[% of Sr]		-15...15
Operating conditions			
Ambient temperature	[°C]		-25...80
Protection			IP 65
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing			threaded type
Mounting			non-flush mountable
Dimensions	[mm]		M18 x 1 / L = 110
Thread designation			M18 x 1
Materials			PBT; end cap: PC
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
			screwdriver: 1
Remarks			
Pack quantity			1 pcs.
Electrical connection			

terminals: ...2.5 mm²; Cable sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5

Connection