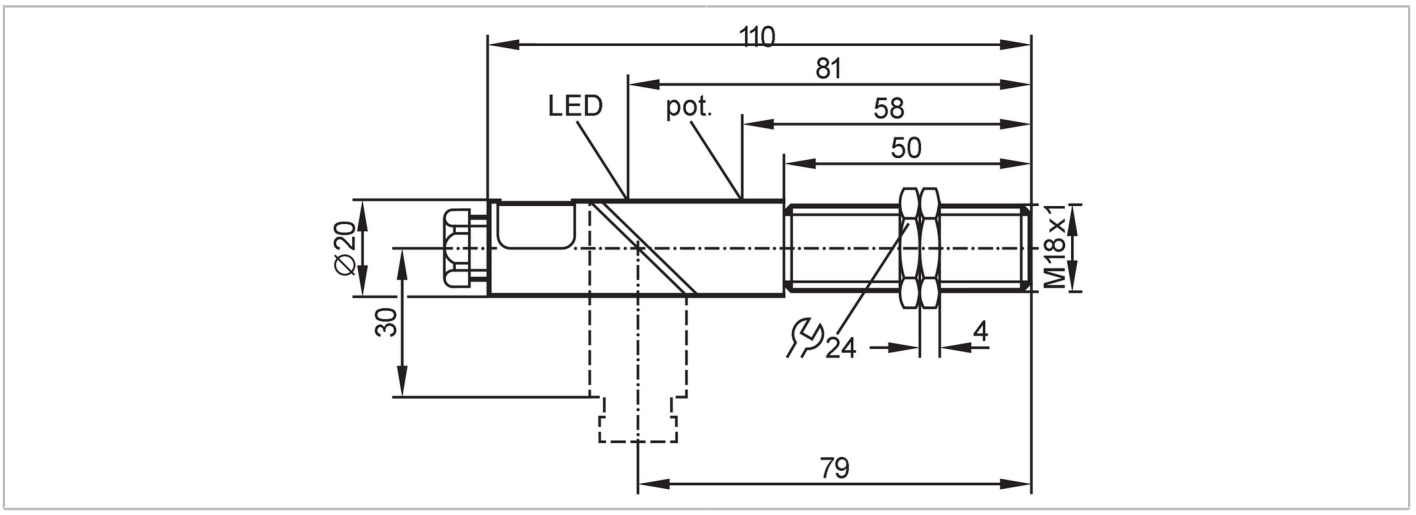
KG5017

Capacitive sensor

KGE2008-FRKG

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Product characteristics		
Electrical design		PNP/NPN
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	2.5...8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 110
Electrical data		
Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	50
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	2.5...8
Sensing range adjustable		yes
Factory setting sensing range	[mm]	8

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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		housing: PBT; bevelled housing part: PC	
Displays / operating elements			
Display		switching status	1 x LED, red
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

Connection

