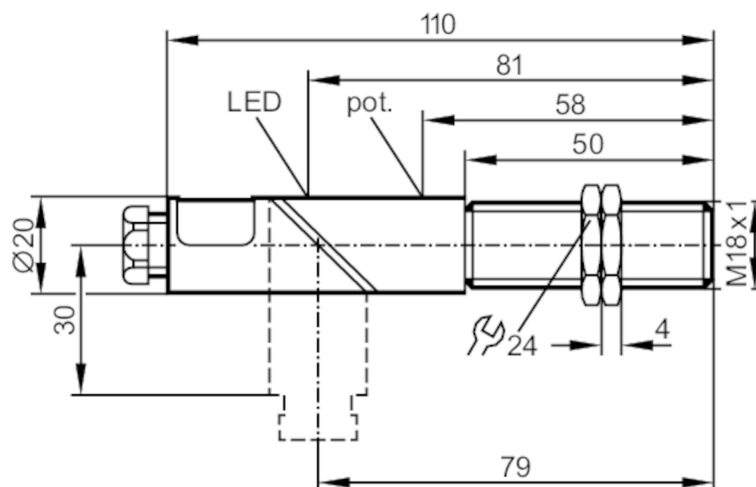




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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 110

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	10; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	50
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	8
Real sensing range Sr [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

KG5003



Capacitive sensor

KGE3008-APKG

Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]	
Switch point drift	[% of Sr]	
		1...15
		-15...15
Operating conditions		
Ambient temperature		[°C]
Protection		-25...80
		IP 65
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions		[mm]
Thread designation		M18 x 1 / L = 110
Materials		M18 x 1
		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		

