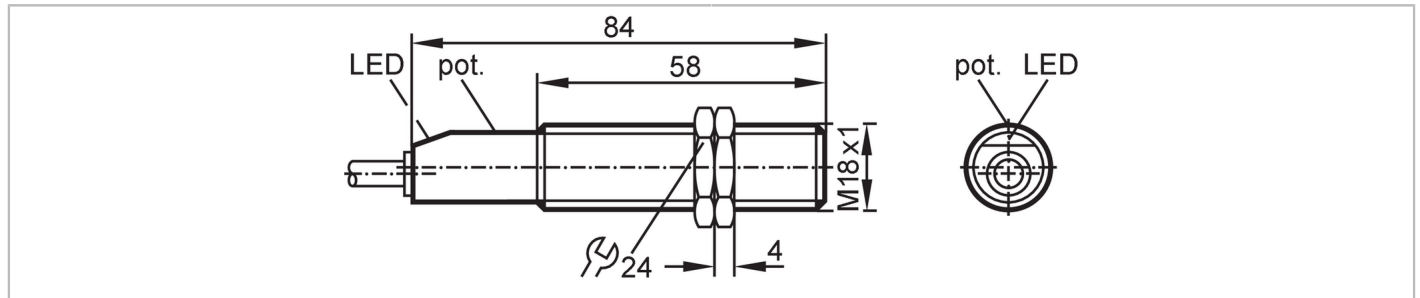


KG5047



Capacitive sensor

KG-2008-FRKG/N/PH



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 84
Electrical data	
Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	1
Permanent current rating of switching output DC [mA]	250; (400 (...50 °C))
Switching frequency DC [Hz]	50
Short-circuit proof	yes
Overload protection	yes
Monitoring range	
Sensing range [mm]	8
Sensing range adjustable	yes
Factory setting sensing range [mm]	8
Real sensing range S_r [mm]	$8 \pm 10 \%$
Operating distance [mm]	0..6.5
Accuracy / deviations	
Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [% of S_r]	1...15
Switch-point drift [% of S_r]	-15...15
Operating conditions	
Ambient temperature [°C]	-25...80

KG5047



Capacitive sensor

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Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2
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MTTF [years]	505
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Mechanical data

Weight [g]	86.9
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Housing	Threaded type
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Mounting	non-flush mountable
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Dimensions [mm]	M18 x 1 / L = 84
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Thread designation	M18 x 1
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Material	housing: PBT
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Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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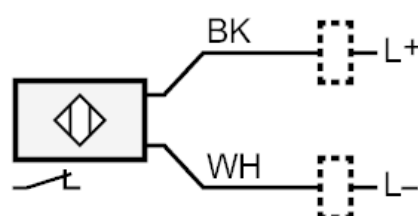
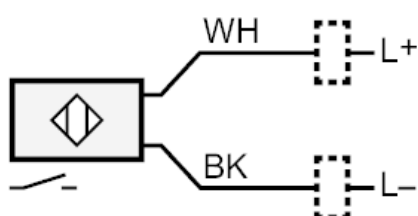
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR / PVC; 2 x 0.34 mm²

Connection



Core colors :
BK = black
WH = white