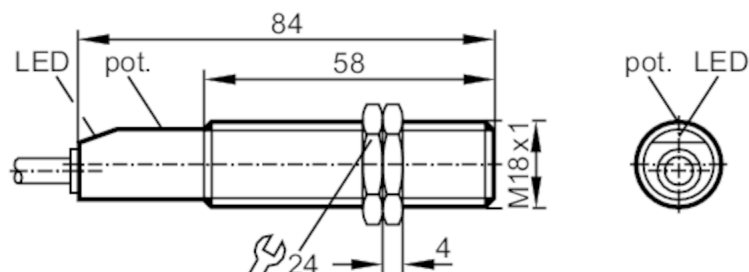


Capacitive sensor

KG-2008-FRKG/NI/PH



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally 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 / normally 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

Detection zone

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

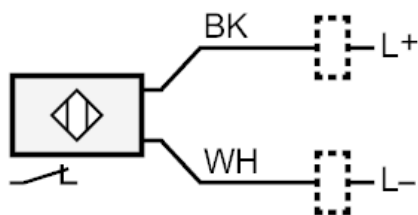
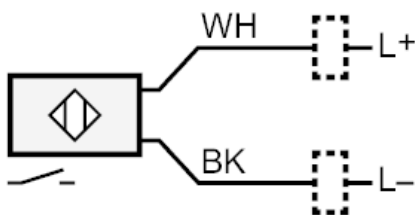
KG5047



Capacitive sensor

KG-2008-FRKG/NI/PH

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	505
Mechanical data		
Weight	[g]	117.5
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 84
Thread designation		M18 x 1
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR / PVC; 2 x 0.34 mm²		
Connection		



BK = Core colours :
WH = black
white