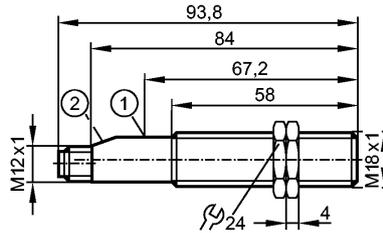


KG5057

KG-3008-BPKG/NI/US

Capacitive sensors



- 1: potentiometer
- 2: LED



Product characteristics	
Capacitive sensor	
Plastic thread M18 x 1	
Quick disconnect	
Increased immunity to conducted radio frequency interference	
Sensing range 8 mm; adjustable; [nf] non-flush mountable	
Electrical data	
Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 10 (24 V DC) / < 15 (36 V DC)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	50
Monitoring range	
Sensing range [mm]	8, adjustable
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5
Accuracy / deviations	
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-15...15
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	IEC 60947-5-2: 2007
MTTF [Years]	647
Mechanical data	
Mounting	non-flush mountable

KG5057

KG-3008-BPKG/NI/US

Capacitive sensors

Housing materials	PBT
-------------------	-----

Weight [kg]	0.052
-------------	-------

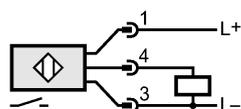
Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection

Connection	M12 connector
------------	---------------

Wiring



Accessories

Accessories (included)	2 lock nuts; screwdriver
------------------------	--------------------------

Remarks

Pack quantity [piece]	1
-----------------------	---