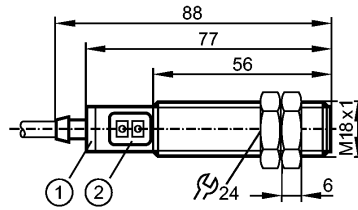


KG5069

KG-3080NFPKGS2T

Capacitive sensors



- 1: LED ring
- 2: Programming buttons

Made in Germany



Product characteristics	
Capacitive sensor	
Plastic thread M18 x 1	
Cable	
Teach function	
Electronic lock	
Conduit attachment	
Sensing range 8 mm; [nf] non-flush mountable	
Application	
Application	Optimised for the detection of conductive media (dielectric constant > 20)
Electrical data	
Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open / closed programmable
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	10
Range	
Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Accuracy / deviations	
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.1
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-20...20
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 65 / IP 67
Tests / approvals	
EMC	IEC 60947-5-2: 1997 + A1: 1999 + A2: 2003
MTTF [Years]	653

KG5069

KG-3080NFPKGS2T

Capacitive sensors

Mechanical data

Mounting	non-flush mountable
Housing materials	housing: PP white; sealing: TPE-U; buttons: TPE-U
Weight [kg]	0.138

Displays / operating elements

Output status indication	LED	yellow (translucent LED ring at cable entry)
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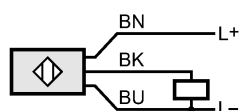
Electrical connection

Connection	PVC cable / 2 m; 3 x 0.34 mm ²
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Wiring

Core colours

BK black
 BN brown
 BU blue



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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