

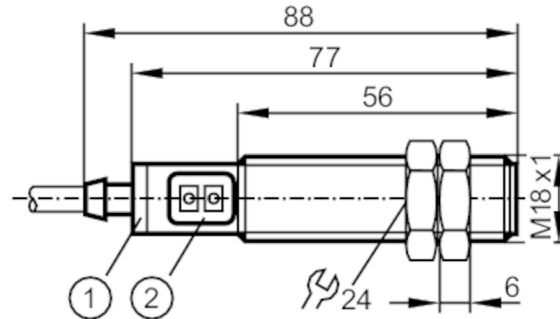
KG5068



Capacitive sensor

KG-3080NFAKGS2T/5M

Article no longer available - archive entry



- 1 LED ring
- 2 Programming buttons



Product characteristics

Electrical design	PNP/NPN; (Automatic load detection PNP/NPN)
Output function	normally open / closed; (selectable)
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 77

Application

Recommended media	conductive media with a dielectric constant > 20
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN; (Automatic load detection PNP/NPN)
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	10
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	8
Real sensing range Sr [mm]	8 ± 10 %

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Accuracy / deviations		
Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.1	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-20...20	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 65; IP 67	
Tests / approvals		
EMC	IEC 60947-5-2	
Mechanical data		
Weight [g]	240	
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 77	
Thread designation	M18 x 1	
Material	housing: PP white; sealing: TPE-U; Pushbuttons: TPE-U	
Displays / operating elements		
Display	Switching status	1 x LED ring, yellow translucent cable entry signals output status
Teach function	yes	
Electronic lock	yes	
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

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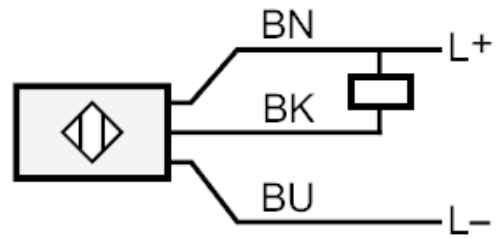
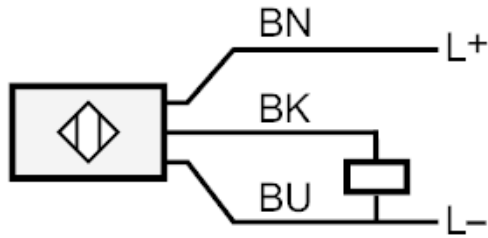
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Electrical connection

Cable: 5 m, PVC; Conduit attachment; 3 x 0.34 mm²

Connection



BK: Automatic load detection PNP/NPN
when using a resistive load < 20 k Ω

Core colors :

BK = black
BN = brown
BU = blue