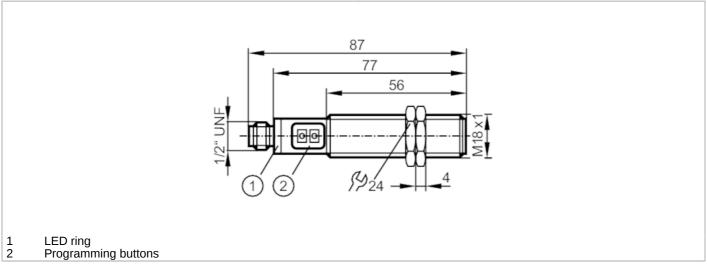
KG0016

Capacitive sensor

KG-2120NFBOAP2T/LS100







Product characteristics			
Output function		normally open / closed; (selectable)	
Sensing range	[mm]	424; (Programming buttons)	
Housing		Threaded type	
Dimensions	[mm]	M18 x 1 / L = 87	
Application			
Installation		detection through non-metallic container wall or on bypass pipes	
Media		dry bulk material; liquids	
Recommended media		media with a dielectric constant < 20; oils	
Electrical data			
Frequency AC	[Hz]	4763	
Operating voltage	[V]	30250 AC / 20250 DC	
Protection class		II	
Reverse polarity protection		yes	
Outputs			
Output function		normally open / closed; (selectable)	
Max. voltage drop switching output DC	[V]	8	
Max. voltage drop switching output AC	[V]	10	
Max. leakage current	[mA]	2.5 (250 V AC) / 1.7 (110 V AC) / 1.5 (24 V DC)	
Permanent current rating of switching output AC	[mA]	100; (150 (40 °C))	
Permanent current rating of switching output DC	[mA]	100; (150 (40 °C))	
Short-time current rating of switching output	[mA]	1000; (20 ms / 0,5 Hz)	
Switching frequency AC	[Hz]	10	
Switching frequency DC	[Hz]	10	
Short-circuit proof		no	

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Capacitive sensor



Overload protection



			110		
Monitoring range					
Sensing range	[mm]		424; (Programming buttons)		
Sensing range adjustable		yes			
Factory setting sensing range [mm]		12			
Real sensing range Sr	[mm]		12 ± 10 %		
Accuracy / deviations					
Correction factor			glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.1		
Hysteresis	[% of Sr]		115		
Switch-point drift	[% of Sr]		-2020		
Operating conditions					
Ambient temperature	[°C]		-2580		
Note on ambient temperature		temperature of the sensing face: -25110 °C			
Protection		IP 65; IP 67			
Tests / approvals					
EMC		EN 60947-5-2			
MTTF	[years]		321		
Mechanical data					
Weight	[g]		60		
Housing			Threaded type		
Mounting			non-flush mountable		
Dimensions	[mm]	M18 x 1 / L = 87			
Thread designation		M18 x 1			
Material		housing: PBT; Pushbuttons: TPE-U; LED window: PC			
Displays / operating elements					
Display		Switching status	1 x LED ring, yellow translucent connector indicates output status		
Electrical connection					
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting			
Accessories					
Items supplied		lock nuts: 2			
Remarks					
Remarks			Note:		
		Ch	eck the safe functioning of the unit after a short circuit.		
Pack quantity			1 pcs.		

no

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Capacitive sensor

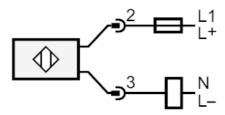
KG-2120NFBOAP2T/LS100



Electrical connection - plug

Connector: 1 x 1/2"; coding: C





Note miniature fuse to IEC60127-2 sheet $1 \le 2$ A fast acting