

KQ5012



Capacitive sensor

KQ-3047NBN0G/0,4M/MOLEX

phase-out article

Alternative articles: KQ5100
When selecting an alternative article and accessories please note that technical data may differ!

1 LED
2 Sensing face



Product characteristics		
Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	4.7
Housing		rectangular
Dimensions	[mm]	20 x 7 x 48
Application		
Application		level detection food and beverage industry
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 30
Protection class		III
Reverse polarity protection		no
Max. power-on delay time	[ms]	300
Outputs		
Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	0.5
Max. leakage current	[mA]	0.5
Permanent current rating of switching output DC	[mA]	50
Short-time current rating of switching output	[mA]	50
Switching frequency DC	[Hz]	10
Short-circuit proof		no
Overload protection		no

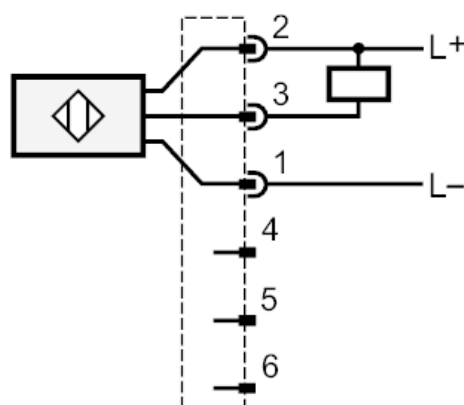
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Detection zone		
Sensing range	[mm]	4.7
Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-20...20
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67
Tests / approvals		
EMC	EN 61000-4-2	8 kV AD
	EN 61000-4-3	3 V/m
	EN 61000-4-4	2 kV
	EN 61000-4-6	3 V
	EN 55011	class B
Shock resistance	EN 60947-5-2	
MTTF	[years]	735
Mechanical data		
Weight	[g]	32.6
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	20 x 7 x 48
Materials		PBT; TPE-U; stainless steel
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.4 m, PUR; 3 x 0.14 mm ²		
Connection		



4:	not used
5:	not used
6:	not used

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Connector: 1 x MOLEX
