

KQ5012

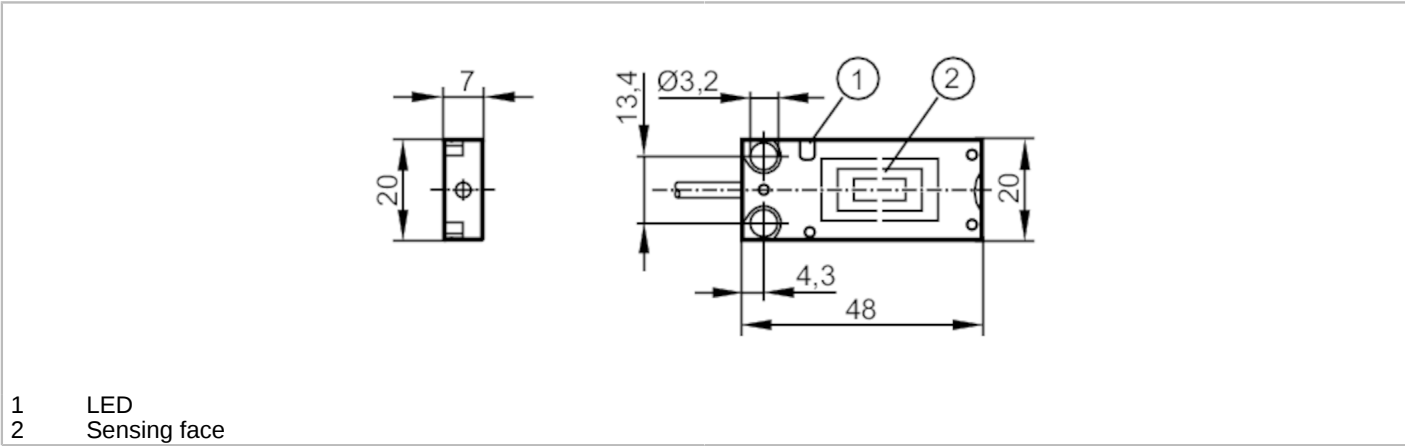


Capacitive sensor

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!



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
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Accuracy / deviations

Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-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	[ANN]	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
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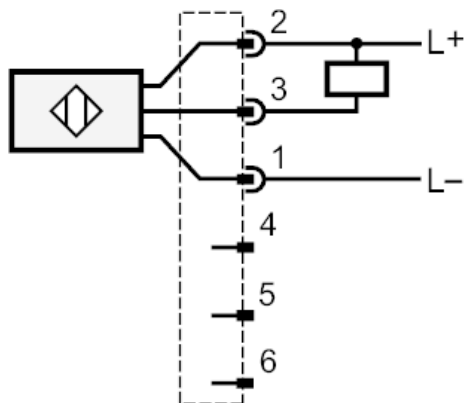
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 0.4 m, PUR; 3 x 0.14 mm²

Connection



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

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Connector: 1 x MOLEX
