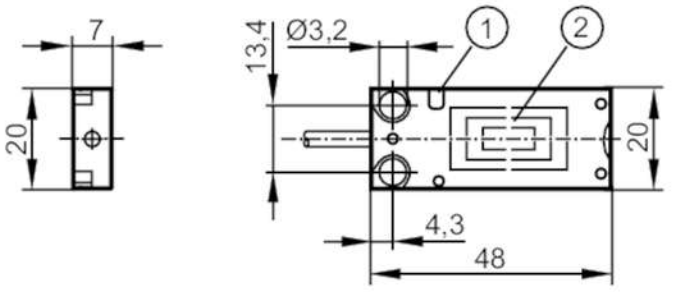
KQ5011

Capacitive sensor

KQ-3040NBPKG/0,76M/MOLEX



1 LED
2 Sensing face

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	20 x 7 x 48
Application		
Application		level detection food and beverage industry
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 17
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	10
Short-circuit proof		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	4
Sensing range adjustable		no
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

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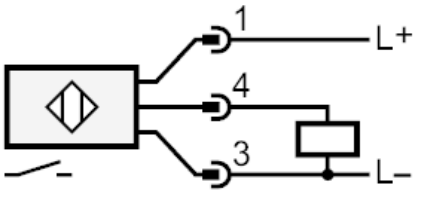
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65; IP 67; IP 69K	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	771	
UL approval		Ta	-25...80 °C
		Enclosure type	Type 1
		power supply	Class 2
Mechanical data			
Weight	[g]	24.5	
Housing		rectangular	
Dimensions	[mm]	20 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 - MOLEX			

Cable: 0.76 m, PUR; 3 x 0.14 mm²

Connection



Connector: 1 x MOLEX