efector15°

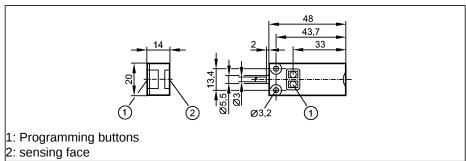
ifm electronic

Capacitive sensors

KQ6004

KQ-3120NFPKG/2T/0.04m/AS Capacitive sensor Rectangular, plastics Cable with connector

Sensing range 12 mm [nf] adjustable 3...20 mm non-flush mountable



C € EUL LISTED Made in Germany

Application

Electrical design

Output

Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	
Ambient temperature	[°C]
Protection	
EMC	
Housing materials	
Function display	
Switching status	LED
Connection	

Position sensor and detection of dry bulk materials and liquids through non-metallic tank walls or on bypass pipes

1x open collector DC PNP

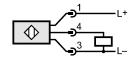
normally open *l* closed programmable 10...36 DC

100 Yes (non-latching)

yes	
yes	
< 2.5	
< 17	
12 ± 10 %	
-2020	
115	
10	
water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2	
-2580	
IP 65 / IP 67, III	
IEC 60947-5-2: 2007	
housing: PBT (glass fiber reinforced); buttons: TPE-U; cover: PC (glass fiber reinforced)	
yellow	
PVC cable / 0.04 m; with AS connector	
0.07	

Wiring 2 4

Weight



[kg]

ifm efector, inc. 782 Springdale Drive, Exton, PA 19341 — We reserve the right to make technical alterations without prior notice. — US — KQ6004 — 07.04.2009

efectoriso

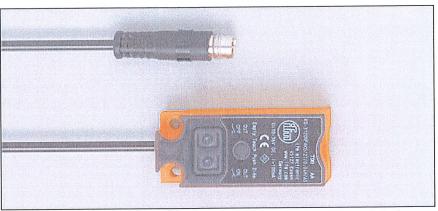


Capacitive sensors

KQ6004

KQ-3120NFPKG/2T/0.04m/AS Capacitive sensor Rectangular, plastics Cable with connector

Sensing range 12 mm [nf] adjustable 3...20 mm non-flush mountable



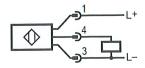
Made in Germany

(ϵ	CULUS

Application	Position sensor and detection of dry bulk materials and liquids through non-metallic tank walls or on bypass pipes	
Electrical design	1x open collector DC PNP	
Output	normally open / closed programmable	
Operating voltage [V]	1036 DC	
Current rating [mA]	100	
Short-circuit protection	pulsed	
Reverse polarity protection	yes	
Overload protection	yes	
Voltage drop [V]	< 2.5	
Current consumption [mA]	< 17	
Real sensing range [mm]	12 ± 10 %	
Switch-point drift [% of Sr]	-2020	
Hysteresis [% of Sr]	115	
Switching frequency [Hz]	10	
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2	
Ambient temperature [°C]	-2580	
Protection	IP 65 / IP 67, III	
EMC	IEC 60947-5-2: 2007	
Housing materials	housing: PBT (glass fiber reinforced); buttons: TPE-U; cover: PC (glass fiber reinforced)	
Function display Switching status LED	yellow	
Connection	PVC cable / 0.04 m; with AS connector	
Weight [kg]	0.07	

Wiring





ifm electronic gmbh • Friedrichstraße 1 • 45128 Essen — We reserve the right to make technical alterations without prior notice. — GB — KQ6004 — 07.04.2009