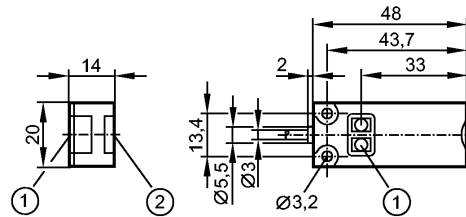


Capacitive sensors

**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



1: Programming buttons  
2: sensing face

Made in Germany



**Application**

**Electrical design**

**Output**

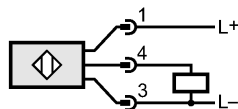
**Position sensor and detection of dry bulk materials and liquids through non-metallic tank walls or on bypass pipes**

**1x open collector DC PNP**

**normally open / closed programmable**

Operating voltage [V]	10...36 DC
Current rating [mA]	100
Short-circuit protection	Yes (non-latching)
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]	-20...20
Hysteresis [% of Sr]	1...15
Switching frequency [Hz]	10
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Ambient temperature [°C]	-25...80
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**



**efectoriso**

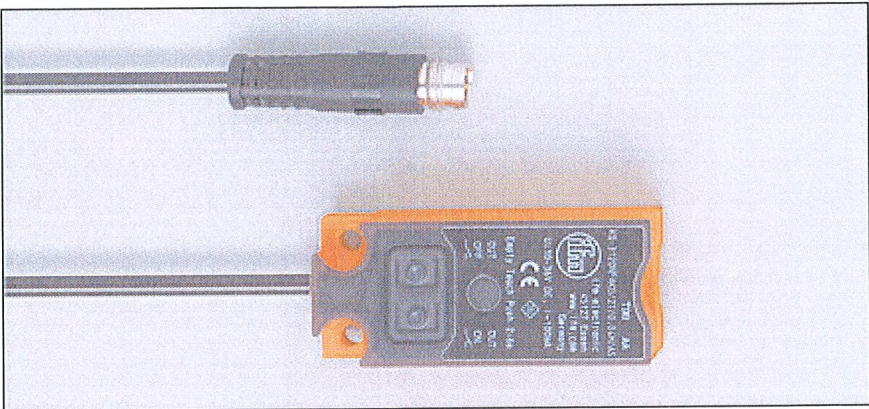


Capacitive sensors

# **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

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]	10...36 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]	-20...20
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## **Wiring**

