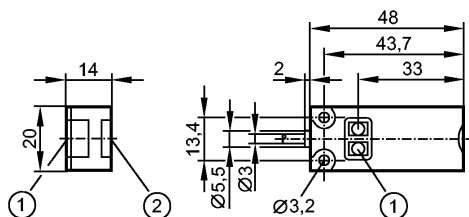


KQ6008

KQ-3120NFPKG/2T/0.04M/AS

Capacitive sensors



1: Programming buttons
2: sensing face

Made in Germany



Product characteristics

Capacitive sensor
Rectangular, plastics
Cable with connector
Sensing range 12 mm; [nf] non-flush mountable

Application

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

Electrical design	1x open collector DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 17
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open / closed programmable
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	10

Range

Sensing range [mm]	12
Real sensing range (Sr) [mm]	12 ± 10 %

Accuracy / deviations

Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-20...20

Environment

Ambient temperature [°C]	-25...80
Protection	IP 65 / IP 67

Tests / approvals

EMC	IEC 60947-5-2:	2007
MTTF [Years]		725

Mechanical data

Mounting	non-flush mountable
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Capacitive sensors

Housing materials	housing: PBT (glass fiber reinforced); buttons: TPE-U; cover: PC (glass fiber reinforced)
Weight [kg]	0.077

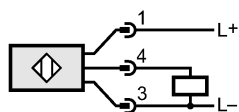
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PVC cable / 0.04 m; with M8 connector
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Wiring



Accessories

Accessories (included)	premounted to KQ mounting adapter (E12153)
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Remarks

Pack quantity	[piece]	1
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