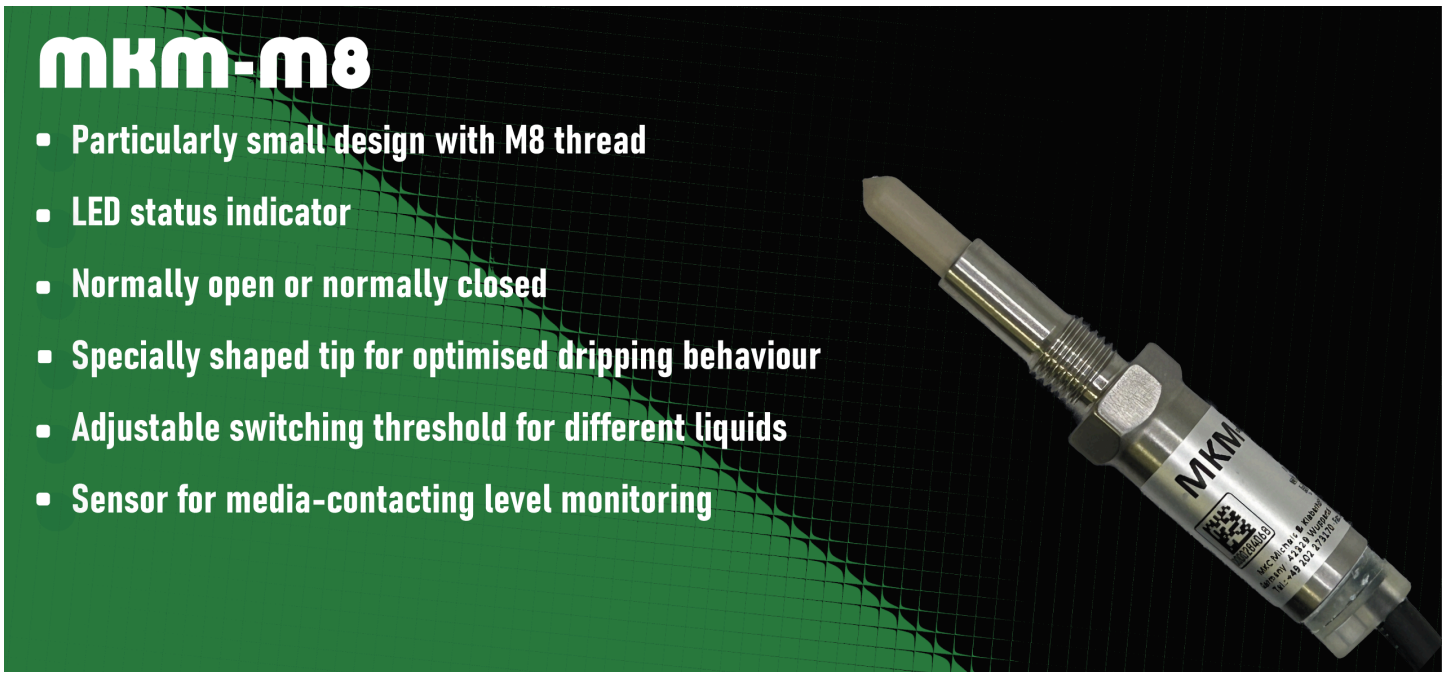
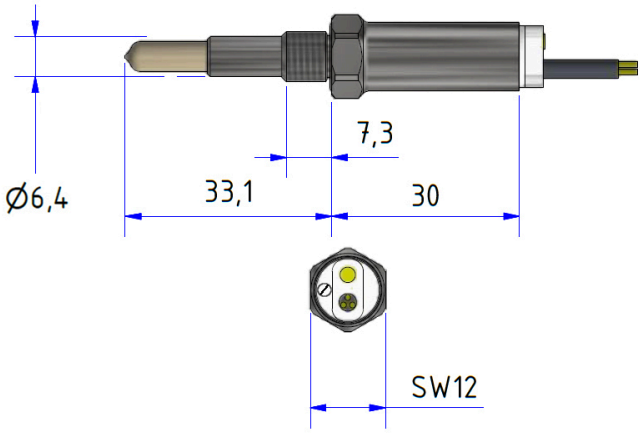
Capacitive Liquid Level Sensor Datasheet



The capacitive level sensor enables **reliable and direct detection of liquids**, making it the ideal alternative to mechanical sensors.

The **media-contact measurement** and **specially shaped sensor tip** optimize liquid dripping, reducing measurement errors and ensuring stable operation.

Thanks to its **compact design with M8 thread**, the sensor can be easily integrated even in confined installation situations.



It is factory-set for distilled water and therefore ready to use immediately. The integrated potentiometer can also be used to adjust the switching threshold to a variety of other liquids. The flexible output configuration allows operation as either an **NPN** or **PNP** output, as well as a normally open (**NO**) or normally closed (**NC**) contact. Connecting is easy thanks to a 2 m long **connection cable** with open cable ends that are already fitted with ferrules

Part Numbers

Part Number	Variant	Initial State
MKM-M8-NPNNC	NPN	Closed (NC)
MKM-M8-NPNNO	NPN	Open (NO)
MKM-M8-PNPNC	PNP	Closed (NC)
MKM-M8-PNPNC	PNP	Open (NO)

You can find more information about our products and services at www.mkc-gmbh.de

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Capacitive Liquid Level Sensor Datasheet

Mechanical Data

- Steel case VA
- Sensitive area PEEK (Polyetheretherketon)
- Thread M8x1
- 3-wire cable
  - LIYY 3 x 0,14qmm grey
  - Electric wire ferule
  - approx. 2 meter long
- yellow LED display

Long-term availability

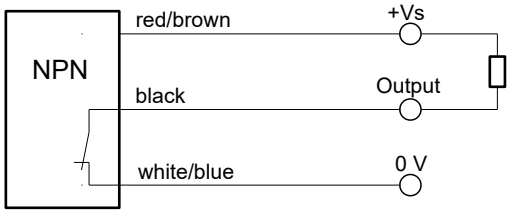
- 5 years minimum
- Due tu our own development and production department at the location in Wuppertak we can guarantee compatible succeeding models even beyond this period.

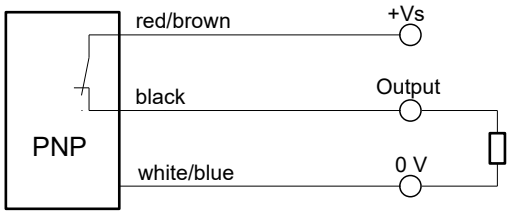
Custom Application

- The cable can be assembled custom configurations like cable-type, length or connector.
- Preset of the switching threshold can be performed

Technical Specifications

Switching distance	touch	
Ambient temperature [°C]		
-Operation	min: 0	max: 60
-Storage	min: −40	max: 85
Hysteresis [mm]	0,1	1,5
Supply Voltage [V DC]	min: 12	max: 32
-Ripple		max: 10%
Current Consumption [mA]		max: 10
Load current [mA]		max: 50
Voltage drop [V]		max: 1,5
Display	yellow LED	
Ingress protection	IP65	
Security	• reverse voltage protection • thermal overload protection	





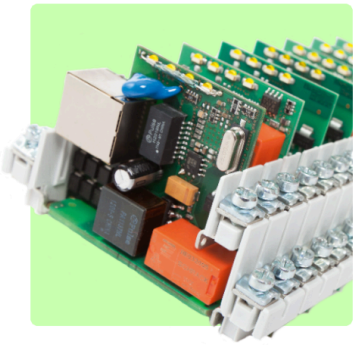
The symbols show the NC Configuration, on touching the medium the contact opens.

The LED displays the state of the contact. If it is closed the LED lights up.

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SYSTEMS
DEVICES
PROTOTYPES

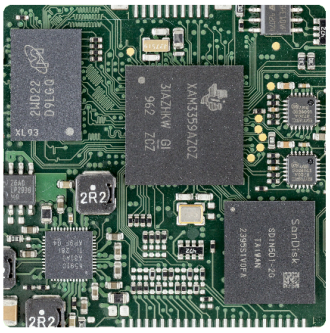


develop

test

assemble

HARDWARE
SOFTWARE
DEVELOPMENT



ASSEMBLY
SMD / THT
AOI







COMPETENCE
QUALITY
SERVICE

CONTROLLER
LINUX
NODE RED

EMBEDDED
MODULES
SENSORS

REMOTE IO
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POE

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