



Condensation water sensors KWS-1, KWS-2, KWS-3

Condensation water sensors are sensor circuit boards, which can be disposed or glued at a straight even surface.

The sensor circuit boards have two comb-shaped sections. These printed circuit boards can be used as sensor electrodes with high sensitivity for the detection of electrically low conductive liquids (e.g. condensate). For a better surface protection, the printed circuit board is gold plated.

The electrical conductance has to be measured with alternating current to prevent corrosion and polarisation effects.

The sensor can be purchased without or with already connected 3 m long, thin, white cable. Other cable lengths are on request. For the application with our electrode relay Leckstar 101 with integrated cable break monitoring, the sensor is equipped with a cable break monitoring unit Z10. This cable break monitoring unit Z10 is situated at the end of the sensor circuit board on the opposite side of the cable connection.

To avoid that the functional efficiency of the sensor could strongly be reduced or complete invalidated, it is absolutely necessary, that the sensitive surface of the sensor is kept free of grease and that it does not come into contact with chemical agents.

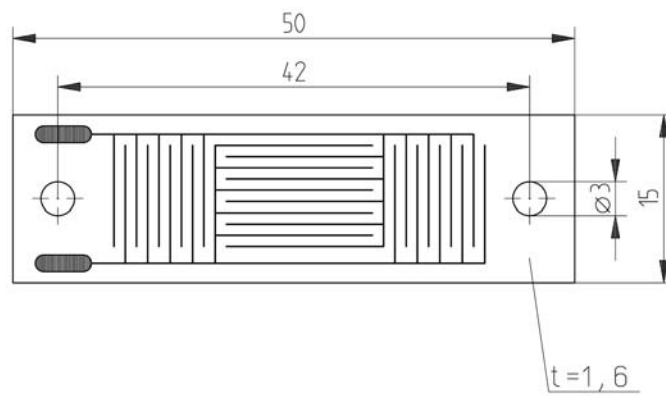
The sensor circuit board has to be installed where condensation water is most expected.

The sensor circuit board KWS-3 is 500 mm long. On request, factory-made longer sensor circuit boards can be manufactured.

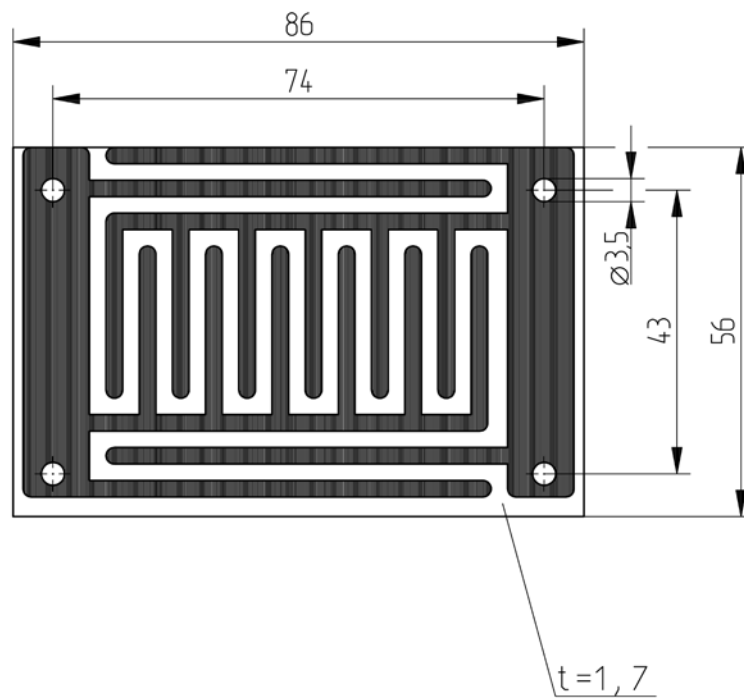


Application example: sensor circuit board KWS-3 in a collecting tray for condensate.

KWS-1



KWS-2



KWS-3

