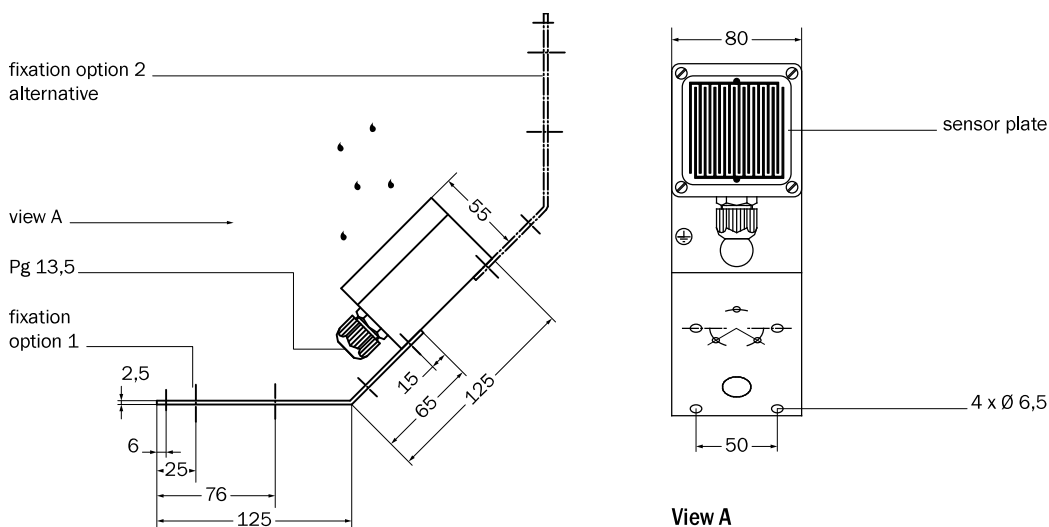
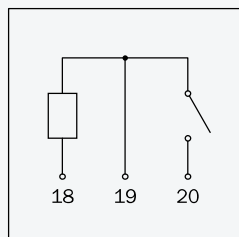


Order designation: Rain sensor RS 401


Short description

On the upper side of the rain sensor RS 401 there is a corrosion-resistant sensor plate, which is connected to an alternating voltage of approx. 24 – 28 V AC/ 50 Hz. The sensor plate is electrically heated for the quick drying of the electrodes, e.g. after a rainfall. When rainwater gets onto the sensor surface, a signal is routed to the rain detector RM 401/C and a switching operation is activated.

The rain sensor RS 401 must be mounted at the main weather side at an unprotected location (lighting protection earthing). Several mounting options with special accessories can be performed. In the case of rain or snowfall, a switch signal is directed to the switch device RM 401/C (→chapter 11.4, page 410, “Rain Detector RM 401/C”).

Function control

When the sensor surface of the rain sensor is touched by a moistened hand, a rain message at the control unit is activated.

Technical data

Type	RS 401
operation mode	S1 (100 % ED)
operating voltage	18 – 24 V AC/ 50 Hz
housing colour	RAL 7 035 (light grey)
weight	165 g
power consumption	approx. 1,2 W
protection class	IP 65
temperature range	-20 °C to +80 °C
maintenance	yearly cleaning of sensor plate more frequently according to strong environmental load
materials	ABS, epoxy resin, galvanically gold-plated

Accessories

standing unit for WRF/RS	→chapter 11.4, page 421, “Standing Unit WRF/RS”
wall unit Duo for WRF/RS	→chapter 11.4, page 423, “Wall Unit Duo for WRF/RS”
wall unit Solo for WRF/RS	→chapter 11.4, page 422, “Wall Unit Solo for WRF/RS”

Attention!

The grounding is performed in accordance with the valid installation instructions.
 When using our optional extras at the marked position.