

Product data sheet

Rain sensor



Reference number

WS 10 R

Rain sensor

Intended use

- Sensor for measuring weather data
- Sensor signals are evaluated via additional electronics, e.g. analogue input (ref. no. 2214 REG A)
- Detection of precipitation
- Vertical installation in outdoor areas, e.g. on walls of buildings, using the supplied mounting bracket

Product characteristics

- Measurement of the electrical conductivity on the sensor surface
- Output using analogue output signal: 0 = dry, 10 V = rain
- Heating of the sensor surface with separate 24 V AC/DC power supply, ref.-no.: WSSV 10

Technical data

Power supply

Rated voltage:	DC 15 ... 30 V
Current consumption:	approx. 10 mA

Heating

Rated voltage:	AC/DC 24 V
Power consumption:	max. 4.5 W

Ambient temperature: -30 ... +70 °C

Protection class: III

Protection level: IP 65

Output signal

Output voltage:	DC 0 / 10 V
Load:	min. 1 kΩ
Reaction time:	max. 4 min

Cable type: LiYY 5 x 0.25 mm²

Cable length: approx. 3 m

can be extended up to: max. 100 m

Dimensions (W x H x D): 58 x 83 x 17 mm