

Product data sheet

Wind sensor



Reference number

WS 10 W

Wind 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 the horizontal wind speed
- Vertical installation in exteriors, e.g. on walls of buildings, using the supplied mounting bracket

Product characteristics

- Measurement of the rotational speed of the anemometer
- Output with analogue output signal 0 ... 10 V
- Maintenance-free
- Operation without additional power supply possible
- To avoid dew and condensation, use a separate power supply (ref-no. WSSV 10) for heating

Technical data

Power supply

Rated voltage:	DC 18 ... 32 V SELV
Current consumption:	6 ... 12 mA

Heating

Rated voltage:	AC/DC 24 V
Switch-on current:	max. 1 A

Ambient temperature: -25 ... +60 °C

Protection class: III

Degree of protection: IP 65 (in position for use)

Output signal

Measuring range:	0.9 ... 40 m/s
Strain:	max. 60 m/s (for short periods)
Output voltage:	DC 0 ... 10 V
Load:	min. 1.5 kΩ

Cable type: LiYY 6 x 0.25 mm²

Cable length: approx. 3 m

can be extended up to: max. 100 m

Dimensions (Ø x H): 134 x 160 mm