Humidity Sensor PCE-P18 4...20 mA

Measures temperature and humidity / output as a 4 ... 20 mA signal / compact

Modbus RTU interface / wall mounting

The humidity sensor PCE-P18 is used in HVAC technology to monitor humidity and temperature. The measured values are output by the humidity sensor PCE-P18 as a standard signal 4 ... 20 mA. In this compact humidity sensor, air humidity and temperature are precisely determined using a semiconductor component. For commissioning, the humidity sensor PCE-P18 is supplied via a DC voltage. The measured variables are output via a two-wire line. All connections are made via screw contacts in the waterproof IP 65 housing. In addition to the output of the measurement signal as a 4 ... 20 mA signal, the measurement values can be output via the RS485 interface. This function is particularly useful if several measuring points are to be linked to one another during your home surveillance.

- Humidity and temperature sensors
- 4 ... 20 mA output
- simple wall mounting
- RS-485 interface
- for permanent monitoring
- various filters available
- small dimensions
- Modbus RTU

Specifications

Technical data humidity sensor PCE-P18

humidity	
measuring range	0 ... 100% RH
accuracy	± 2% (in the range 10% .... 90% RH) ± 3% (remaining range)
hysteresis	± 1% RH
temperature	
measuring range	- 20 ... 60 ° C
accuracy	± 0.7% of the measuring range
temperature effect	± 25% / 10 ° C
Humidity sensor output	
analog output	4 ... 20 mA
Max. connectable resistor at the output	≤ 500 Ω
Data Interface	RS-485 Modbus RTU
transfer mode	8N1, 8N2, 8E1, 8O1
baud rate	4800 bps 9600 bps 19200 bps 38400 bps 57600 bit / s
General technical data for humidity sensors	
supply voltage	19 V ... 30 V DC
power	<1.5 W
ambient temperature	- 30 ° C ... 85 ° C
Max. humidity	≤ 95% RH
preheat	15 minutes
degree of protection	IP 65
Assembly	wall mounting
Dimensions (wxhxd)	> 35 x 58 x 118 mm
Weight	125 g

More information

Manual

More product info

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