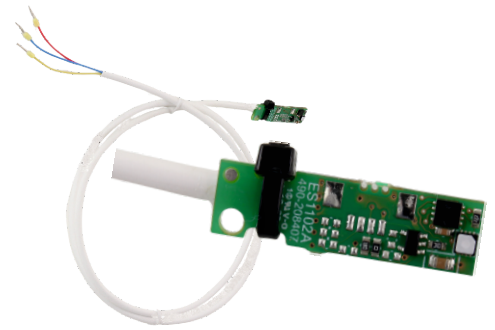


Description

Cable Sensor Humidity / ES 1102 is a low voltage humidity sensor for building-in. It is supplied with a predefined cable length. The cable sensor needs a stable power supply of 3.3V or 5V DC to return a voltage corresponding to the relative humidity in percent.

Except from the sensor head itself, the PCB is lacquered for optimizing durability. The lacquer also provide the benefit that no further enclosure is needed when using it for building-in.

Minimum order for samples is 25pcs., thereafter minimum order per delivery is 100pcs.



Warning



ESD sensitive. Make sure to be ESD discharged before touching the sensor.

Mounting

Must be mounted on a non-vibrating surface in a non-condensing environment with a relative humidity between 5 and 95%. Must not be placed in direct sunlight.

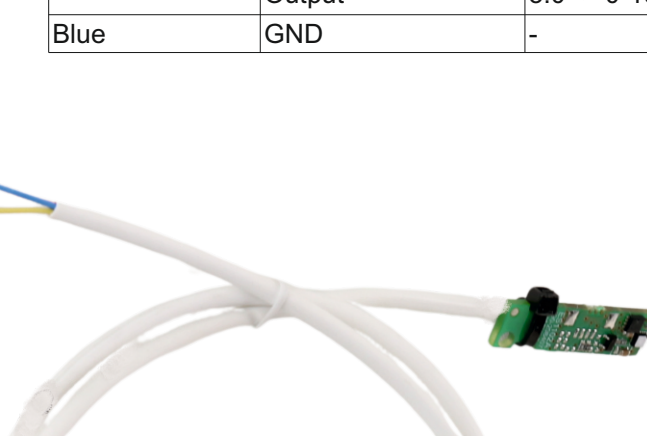
Connections

Wire Color	Function	Value	Unit
Red	Power Supply	3.3 or 5.0	VDC
Yellow	Relative Humidity Output	3.3 -> 0-100%RH -> 0.5 - 2.6 5.0 -> 0-100%RH -> 0.76 - 3.94	VDC
Blue	GND	-	-

Supply Voltage

GND

RH output voltage



Technical Specifications

Supply Voltage:	3.3 or 5.0 VDC
Power Consumption:	at 3.3V: 2.1mA at 5V: 1.3mA
Maximum Output Current	5mA
Enclosure:	IP00
Dimension (LxWxD):	32x9x5 mm
Cable Ø:	Ø3 mm
Humidity:	5-95%RH non-condensing
Operating Temperature:	0-50°C
Storing Temperature:	-15°C til +60°C, non-condensing



Part Numbers

50293: Cable length 0.4m
50294: Cable length 1.3m
50295: Cable length 1m

Date: 04/09-2025
Drawn by: DF/SP
Document No.: 950-209461 Cable Sensor Humidity / ES 1102
Rev.: 1.0
Manufacturer: **LS Control A/S**, Industrivej 12, DK-4160 Herlufmagle



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