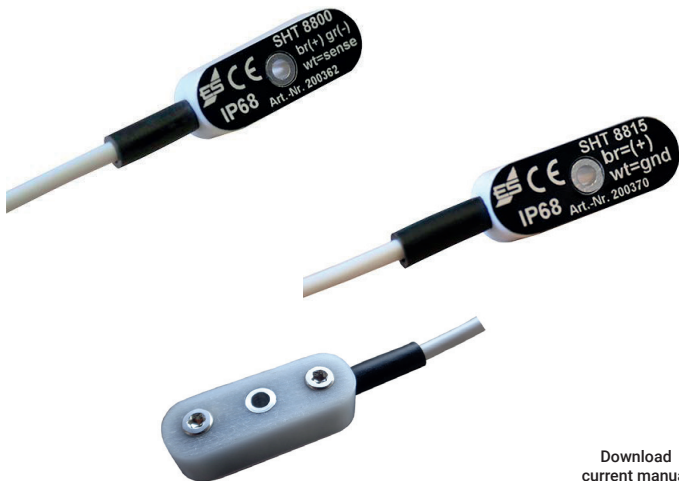


Active water sensor SHT 8800 | SHT 8815

for analog and digital inputs

Artikel 200362 | 200370



Download
current manual



Thank you very much for your trust!

In order to guarantee optimum function and performance of the product at all times and to ensure your personal safety, we would like to ask you to read these operating instructions thoroughly before installation and first use and, above all, to follow the safety instructions!

**The operating instructions are an integral part of this product.
Please keep them for future reference!**

Scope of delivery

1 active water sensor SHT 8800 or SHT 8815
1 instruction manual, 1 screw, 1 dowel

Safety instructions

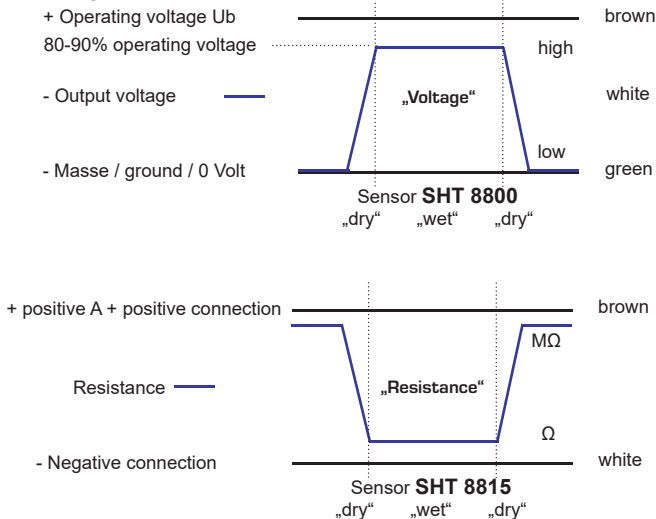
- Read the operating instructions carefully before installing or operating the appliance.
- Packaging materials are not children's toys. Keep them away from children.
- Do not open the appliance as it does not contain any serviceable parts.

Ambient conditions

The standards used to assess the product specify limit values for use in residential, commercial and small business environments, whereby the use of the product is intended for these operating environments:

- Residential buildings/living spaces such as houses, apartments, rooms, etc. Sales areas such as stores, supermarkets, etc.
- Small business premises such as workshops, service centers, etc.
- All locations are characterized by the fact that they are connected to the public low-voltage grid.

Function diagram



Intended use

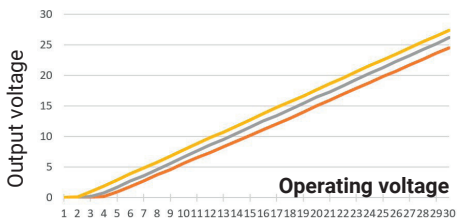
The SHT 8800 active water sensor is supplied with an operating voltage and outputs a voltage level of approx. 80-90% of the operating voltage when water or conductive liquid is detected. This voltage is evaluated with high impedance by an analog input.

The SHT 8815 active water sensor is connected to a digital input of a control unit that has an internal pull-up/Dn resistor and supplies the sensor with voltage via this. If the contacts of the sensor are connected to a conductive liquid, the internal resistance in the sensor drops considerably and the level at the digital input is pulled from HI to LO or LO to HI.

Technical data

	SHT 8800 200362	SHT 8815 200370
for active inputs	analog digital with internal	pull-up/pull-down resistor
min. Pull resistance	---	0...100 k Ω (in the device)
Operating voltage U_b	10...30 V= DC SELV/PELV	10...40 V= DC SELV/PELV
Sensor dry/wet	0 V / 80-90% U_b	a few M Ω / a few 100 Ω (example)
Output impedance	$\sim$ 500 Ω	--
Output current	max. 20mA	--
Protection class	IP68	
Temperature range	-15°C ... +50°C max.	-15°C ... +50°C max.
Cable	4 m, 3x0.14 mm ² LIYY Ø 3.8mm- white	4 m, 2x0.14 mm ² LIYY Ø 3.8mm- white
Cable assignment		
green	Ground, ground, 0 Volt	---
white	Sensor voltage, output	Ground, ground, 0 Volt
brown	Operating voltage U_b , plus	Digital input, positive, plus
Material	Plastic housing encapsulated with Wepuran®	
Dimensions (LxWxH)	4x12x10 mm, aluminum screw hole Ø 3.2 mm	
Contacts	V4A stainless steel	

SHT 8800 | Switching principle "analog voltage"

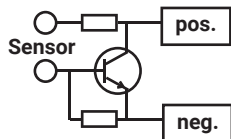


Legend:

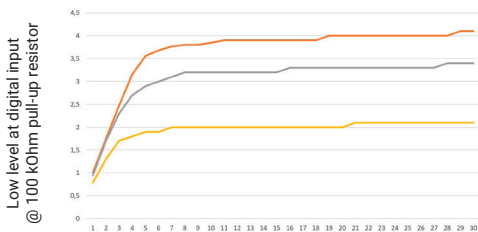
Distilled water

Tap water

Salt water 2 %



SHT 8815 | Switching principle "unipolar resistor"

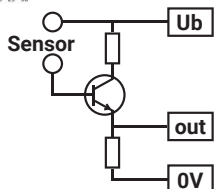


Legend:

Distilled water

Tap water

Salt water 2 %



General information

Elektrotechnik Schabus GmbH & Co. KG is not liable for damage and/or losses of any kind, e.g. individual or consequential damage, resulting from the fact that no alarm signal is given by the water detector despite changes in the water level.

Cleaning and care

Avoid exposing the device to moisture (spray or rainwater), dust and direct sunlight. Only clean the device with a dry linen cloth, which may be slightly moistened if it is very dirty. Do not use cleaning agents containing solvents for cleaning.

Declaration of conformity

You can request the declaration of conformity by e-mail from us at **info@elektrotechnik-schabus.de**

All rights, technical changes, errors and misprints reserved.

Warranty

We grant a statutory warranty on your electronic product from Elektrotechnik Schabus for material defects and quality defects from the date of purchase. Elektrotechnik Schabus will repair or replace your device free of charge under the following conditions:

- In the case of a statutory warranty, the device must be sent in with the following documents: Description of the fault, proof of purchase and your address and delivery address (name, telephone number, street, house number, zip code, city, country).
- Devices that are returned to Elektrotechnik Schabus must be adequately packaged. Elektrotechnik Schabus accepts no liability for damage or loss during shipment.
- The device must have been used in accordance with the instructions for use. Elektrotechnik Schabus accepts no liability for damage or expenses of any kind resulting from the use of the equipment or accessories or for damage caused by accident, misuse, alteration or negligence.

Return shipment

If your device is defective, please contact us

Phone +49 (0) 80 36 / 67 49 79 - 0
Email info@elektrotechnik-schabus.de

Please state your full address and the reason for the return. We will send you a return label by e-mail free of charge (only within Germany). Under no circumstances should you send us an unfree parcel, as we will not accept it! Unauthorized returns that do not constitute a complaint will be charged to you retrospectively.

Environmental information

The production of the product you have purchased required the extraction and use of natural raw materials. It may contain substances that are hazardous to health and the environment. To prevent the spread of these substances in your environment and to conserve natural resources, we ask you to use the appropriate take-back systems. Thanks to these systems, the materials in your product can be reused in an environmentally friendly way at the end of its service life.



WEEE-NR.: 91394868

The crossed-out waste bin symbol on the product reminds you to use these systems. If you require further information on collection, reuse and recycling systems, please contact the waste advice center in your city. You can also contact us for more information on the environmental impact of our products.

Ebenfalls erhältlich von **Elektrotechnik Schabus**:

SHT 8824 - 4/20 mA aktiver Wassersensor als Stromschleife
Artikel 200324

- gleiche Bauform wie SHT 8800 und SHT 8815
- 10 ... 30 Volt DC, typisch 24 V=
- aktiv gesteuerte Konstantstromsenke
- trocken 4 mA / nass 20 mA
- 2-Draht Anschluss, 4 Meter, 2x 0,14 mm² LiYY

Operating instructins in English for download:
<http://www.elektrotechnik-schabus.de/download-center>

QR-Code zum Download oder Nachbestellen unter:
QR code to download or reordert at:



SHT 8800



SHT 8815