TRU COMPONENTS

BN 2144989

Capacitive Sensor Switch

EN **Quick Instructions**

Version: 1

Delivery Content

- Product

Description

This product is a touch sensor. Touching results in a signal change.

Development Resources

Development resources and additional product information are available from:

https://www.conrad.de/

Pinout / Pin Map

Pin	S	+	-
Description	Signal Pin	Power supply	GND

Example Application

This example prints a message to the Serial interface of the Arduino®
IDE when the sensor is touched and makes the built-in LED light up.

The instructions use the Arduino® platform to illustrate product
use. You can also use an Arduino derivative or another platform
that supports this type of product.

Connection

Module	S	+	-
Arduino®	2	5V	GND

Code

```arduino
// Pin for capactitive touch sensor
int ctsPin 2;
// Pin for the LED
int ledPin = 13;
void setup() {
 Serial.begin(9600);
 pinMode(ledPin, OUTPUT);
 pinMode(ctsPin, INPUT);
}
void loop() {
 int ctsValue = digitalRead(ctsPin);
 if (ctsValue == HIGH){
  digitalWrite(ledPin, HIGH);
  Serial.println("TOUCHED");
 }
 else{
  digitalWrite(ledPin,LOW);
  Serial.println("not touched");
 }
 delay(500);
}
```

Procedure

1. Prepare a sketch with the given code and upload it to your board.
2. Connect the module/component to the board as shown in the connection diagram or table.
3. Open the Serial Monitor in the IDE and set the Baud rate to 9600.
4. Touch the sensor. The LED goes on and a message (as given in the code example) is printed to the Serial Monitor.

Specifications

Operating voltage	5 V/DC
Dimensions (approx.)	28 x 15 x 6 mm
Weight (approx.)	2 g

Disposal

Electronic devices are recyclable waste and must not be disposed of in the household waste.

At the end of its service life, dispose of the product in accordance with applicable regulatory guidelines.

You thus fulfill your statutory obligations and contribute to the protection of the environment.

Legal Notice