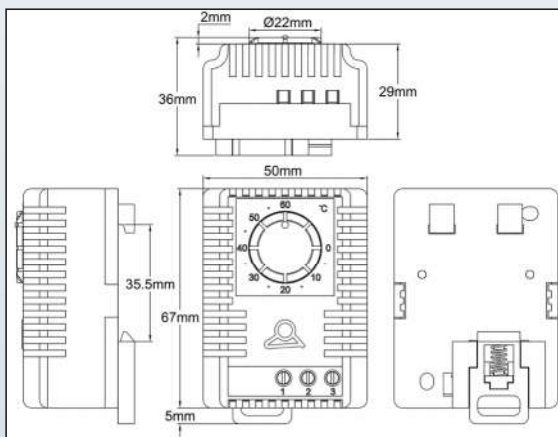


# Din rail mounting miniature humidistat for electrical cabinets

## Type : Q7C

### DIMENSIONS



### MAIN FEATURES

**Main Application:** condensation in electrical enclosures and cabinets can be critical for electrical components and safety. This humidistat is designed to switch on a heater or a ventilating fan when the relative humidity raises at dangerous levels, when there is a risk to reach the dew point usually around 65%.

It can also be used to switch on humidifiers, dehumidifiers, or other devices.

**Humidity sensing element:** hygroscopic polymer film with special treatment, produced by Ultimheat, ensuring a fast response, long life and high stability

**Setting range:** 35 to 95% RH

**Measuring accuracy:**  $\pm 5\%$  RH

**Differential at 50% RH:** 8% RH ( $\pm 3\%$  RH)

**Measuring medium:** air, pressure-less, non-aggressive

**Electrical contact:** silver contacts, SPDT, 5A 250V

**Connection:** 3 screw terminals for 1.5mm<sup>2</sup> wires, max torque 0.5Nm

**Mounting:** clip for 35mm DIN rail EN50022

**Operating temperature:** 0 to +60°C (+32 to +140F)

**Storage temperature:** -20 to +70°C (-4 to +158F)

**Mounting position:** vertical

**Voltage supply:** the humidistat should be mounted such that there is no buildup of condensate on or in the device. If the voltage supply is higher than 48V there is a risk of voltage arcing in the event of water condensation on the micro-switch or connecting terminals which might destroy the control.

**Ingress protection class:** IP30

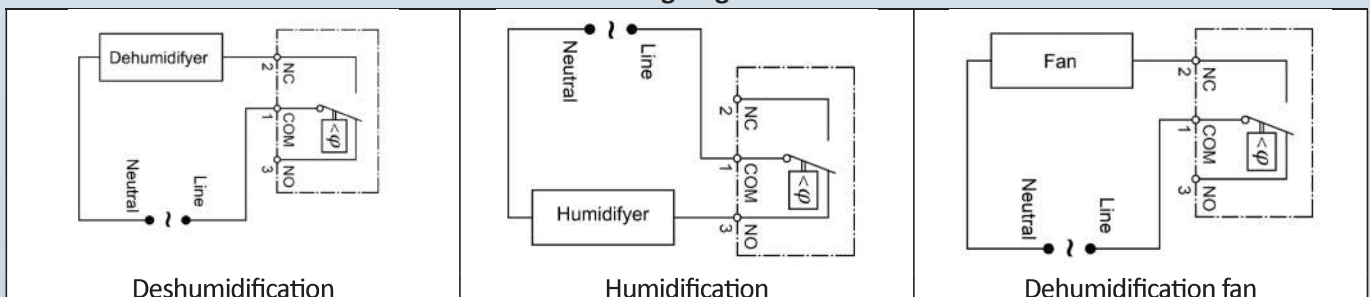
**Dimension:** 67x50x 36mm

**Maintenance:** The humidity sensing ribbon is maintenance-free in clean air. Air containing solvent can cause measuring errors and failure, depending on the type and concentration. Deposits such as resin aerosols, lacquer aerosols, smokes, which eventually form a water-repellent film are harmful for the measuring element.

Reference

Q7C030100I001R00

### Wiring diagram



Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice