

General description

The 2E2S is an on/off actuator equipped of 2 outputs to potential-free relays (dry contact) and 2 low voltage inputs (SELV) referred to the BUS earth. Besides, they include 2 logical gates programmable through SIDE (one AND gate and one OR gate).

Three versions are available according to the user's need of the device. As the outputs are potential free, they are recommended for lighting controls, control of air conditioning or watering electro valves, blinds, etc.

2E2S-30A

The 2E2S-C30A version has been designed to be installed on a DIN rail and it is recommended for the control of capacitive lightings, plugs, and electrical home appliances.

This version does not support logic gates.

Capacity

Its 2 outputs allow to control 2 on/off electrical circuits or 1 blind (2 outputs for every blind motor: one to raise the blind and the other one to lower the blind).

The switching capacity of each version is:

- **2E2S** – 10A@230Vac / potential-free relay output.
 - **2E2S-C30A** - 30A@230Vac / potential-free relay output.
- The relays can be manually reset.

If necessary, insert a contactor to control higher power circuits.

There are available 2 programmable BUS events per input, which can be configured to work as a switch or a push-button.

In case of voltage drop the latest position is saved.

Technical information

Supply / Consumption

- 2E2S - 12 Vdc / 100 mA (BUS).
- 2E2S-C30A - 12 Vdc / 25 mA (BUS). Start-up current consumption $400 \text{ mA} \leq 3 \text{ seg}$.

Inputs - 2 low voltage inputs (SELV) referred to the BUS reference (minimum activation current 5mA).

Outputs - 2 digital outputs according to version

Mounting / Size

- 2E2S - Built-in on universal distribution box / 50 x 35 x 25 mm.
- 2E2S-C30A- DIN rail / 2 Modules.

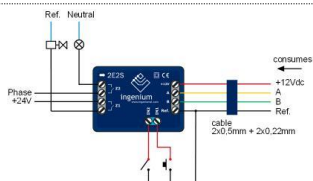
Environment temperature range - Operation: from -10°C to 55°C / Storage: from -30°C to 60°C / Transportation: from -

30°C to 60°C.

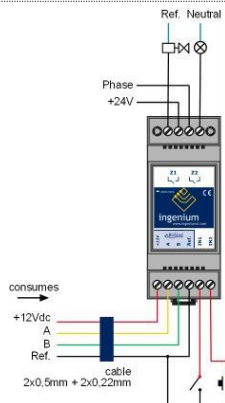
Regulation - According to the directives of electromagnetic compatibility and low voltage •EN 50090-2-2 / UNE-EN 61000-6-3:2007/ UNE-EN 61000-6-1:2007 / UNE-EN 61010-1.

Installation

2E2S



2E2S - C30A



Remarks

It is recommended to distribute power supplies and to take care with wire section to avoid voltage drops in the BUS line. Feed low voltage lines (BUS and inputs) in separate ducting to that of power (230V) and outputs.

Use flexible shielded 4 x 0,5 mm² or 2 x 0,5 mm² + 2 x 0,22 mm² cable for the BUS.

More info

