

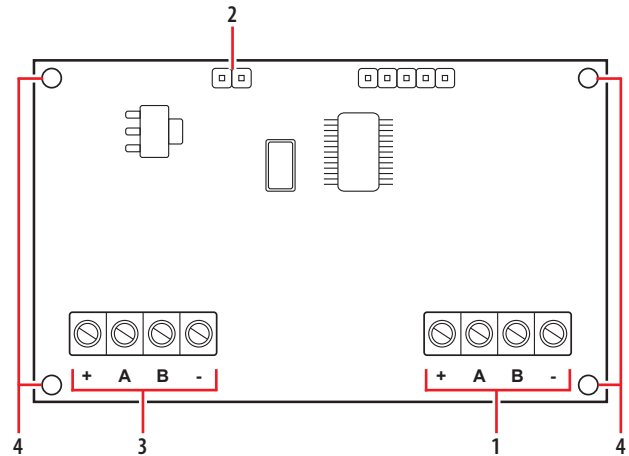
Description

System insulator 4294 is a device which can separate the BUS to:

1. Isolate part of the system so that any faults or sabotage of peripherals to the BUS do not create malfunctions in the whole network
2. Restart the BUS signal so that the stretch available can be extended by a further 500 metres.

As the system insulator 4294 is completely symmetrical, it does not matter which of the two BUS interfaces is connected with the control unit. The system can contain several system insulators 4294 connected in parallel (up to 20 depending on the model of control unit)

Front view



Technical data

Supply voltage:	13.8Vcc
Absorption:	20mA
Clamp Outputs:	Total maximum deliverable current 500mA

Dimensional data

Size: 45 x 75 x 20 mm (H x L x D)

Legend

1. BUS connection to the control unit (*)
2. Tamper microswitch jumper (to be used to protect the box in which it is installed against opening)
3. BUS connection from insulator (*)
4. Fixing holes. Use the spacers supplied for the installation in plastic container 4237 (not supplied).

Note (*): The clamps are equivalent and can be interchanged.

Connections between the central unit and the other devices

The system devices communicate each other via BUS.

A twisted and shielded 2-pair multi-polar wire should be used for the connection between the central unit and the system devices:

- first pair for the system BUS (clamps A - B);
- second pair for the power supply voltage (+ - clamps).

The maximum length of the bus cable extended must not exceed 500 m. To select the most suitable wires, check absorptions and voltage drops on the basis of the length of the section.

Rigorously respect the regulations of the country of use.

