Eltako ELECTRONICS

RS485 bus coupler FBA14

CE

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Bus coupler for wire connections of bus and power supply jumpers.
Modular device for DIN-EN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep.

Bus cross wiring and power supply with jumper.

Bus coupler FBA14 can connect various bus parts as well as feed power supplies.
Bus parts on different DIN rails or in other distributors or switch cabinets are each connected to an FBA14 and a 4-wire screened bus line, e.g. a telephone line. The total length of all connecting lines should not exceed 100 m. A 9 mm wide second terminating resistor (supplied with the FAM14 respectively FTS14KS) must be plugged into the last actuator.
The bus coupler may be positioned at any point in a Series 14 device row. The 4 wires of the bus line are connected to the -12 V, +12 V, RSA and RSB terminals of the two FBA14s.
The jumper plugged in ex works to the lower terminal block must remain fitted to ◄–+12 V–► .
This jumper also remains fitted if a switch mode power supply unit FSNT12-12 V/12 W is connected to the +12 V and -12 V terminals to produce power supply redundancy.
If the power supply of the switch mode power supply unit in the FAM14 or FTS14KS is insufficient to power the entire RS485 bus, a switch mode power supply unit FSNT12-12 V/12 W can be connected to the -12 V and +12 V terminals of the bus coupler to increase capacity. In this case the jumper must be removed. Actuators to the left of the bus coupler are powered by the FAM14 or FTS14KS, actuators to the right are powered by the switch mode power supply unit.

Must be kept for later use!
We recommend the housing for operating instructions GBA14.

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