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## FBA14



**Bus coupler for wire connections of bus and power supply jumpers Series 14.**

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  $\leftarrow +12 V \rightarrow$ .

This jumper also remains fitted if a wide-range power supply unit WNT15-12VDC/24W 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 wide-range power supply unit WNT15-12VDC/24W 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.

*Housing for operating instructions GBA14  
 page 1-50.*

<b>FBA14</b>	RS485 bus coupler	<b>Art. No. 30014018</b>
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