



C1-35

RS232-RS485 dual converter (9-36 Vdc, DIN rail)

The C1-35 is a DIN rail mounting device suitable for converting a RS232 line into a RS485 line with two branches; it is well suited when the devices to connect to the RS485 line are more than 31 or are located in such a way to make more convenient the presence of two separate branches. Microswitches, with direct access, allow the user to set baud rate (from 1.2 to 115 kbit/s) and bias and terminator resistors (independent for each line). A triple optical isolation galvanically isolates the power section and the two line interfaces.

Power supply	From 9 to 36 Vdc, 60 mA @ 24 Vdc
Power supply protections	Against polarity inversion
Operating environment	Temperature: from 0 to 70 °C, relative humidity: from 25 to 85 % (non condensing)
Operating atmosphere	Without corrosive gas
Storage temperature	From -20 to 80 °C (without ice)
Electromagnetic compatibility <input type="checkbox"/>	<ul style="list-style-type: none"> • Radio frequency emissions: EN55011 Group 1 Class A • Conducted emissions: EN55011 Group 1 Class A • Radio frequency immunity: ENV50140 10 V/m AM from 80 to 1000 MHz • Conducted immunity: ENV50141 10V/m AM from 0.15 to 80 MHz
IP grade	Connectors: IP20, enclosure: IP20
Communication speed	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 baud
485 lines protections	Against surge, short circuits, voltage peaks
Insulation	<ul style="list-style-type: none"> • Between 232 and 485 sections: 1000 V • Between power supply and 485 sections: 500 V • Between power supply and 232 sections: 1500 V
Propagation delay	Less than 1 μ s
485 line release delay	Two characters after the last bit transmitted
Bit distortion	Less than 1 %
Pull-up and pull-down resistors	680 Ω individually selectable
Terminating resistors	120 Ω individually selectable
232 connection type	DB9 female
485 connection type	Screw type for maximum AWG 12 wire
Signalling leds	Power on, tx, rx, line busy
Mounting mode	DIN EN50022 rail
Dimensions	80L x 80H x 50P mm
Weight	150 g
Ordering code	C1-35