



C1-33

RS232-RS485 dual converter (90-270 Vac, DIN rail)

The C1-33 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 90 to 270 Vac @ 50/60 Hertz, 5VA
Power supply protections	Against surge and voltage peaks
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 • Electrostatic discharge: EN61000-4-2, 4kV contact, 8kV air • 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: 1500 V • Between power supply and 485 sections: 1500 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
Connection type	Screw type for maximum AWG 12 wire
Signalling leds	Power on, tx, rx, line busy
Mounting mode	DIN EN50022 rail
Dimensions	35L x 105H x 120P mm
Weight	180 g
Ordering code	C1-33