

A30

Converter for process control from RS232/RS485/USB to RS485 or TTL

- Isolated converter
- Do NOT requires any set (no baud rate, no data format, no parity)
- Built in 230 V or 24 V AC/DC power supply (when needed)
- USB to RS485 version is self powered
- DIN rail or wall mounting

TECHNICAL FEATURES

ELECTRICAL DATA

Power supply: see the "How to order"

Power consumption: 6 VA max

Device Class: Class II

Nominal pulse voltage: 2.5 KV

Category of overvoltage: II

Isolation: Reinforced between low voltage (power supply) and very low voltage parts (input, output)

COMMUNICATION

Type: TTL Modbus (standard) plus RS 485 (optional) independent

Isolation: RS485 isolated (250 V) with respect to the very low voltage parts

Protocol: Modbus RTU

Electrical levels: according to EIA standards

Baud rate: from 1200 to 38000 baud

Parity: none

Data formed: 8 bit + 1 start bit + 1 stop bit

ENVIRONMENTAL DATA

Pollution category: 2

Installation category: II

Operating temperature: from 0 to 50 °C

Operating humidity: < 95 RH% without condensation

Storage temperature: -25 °C to 60 °C

MECHANICAL DATA

Housing: UL 94 V0 self-extinguishing plastic

Mounting: on Omega DIN rail

Dimensions: 1 DIN module, 87.5 x 28 mm, depth 77 mm

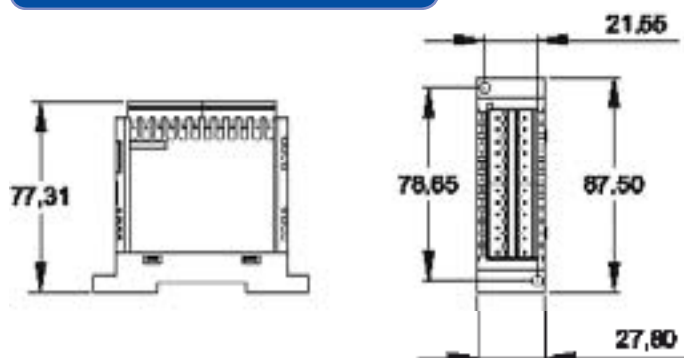
Weight: 180 g approx.

Terminal block: 11 screw terminals (screw M3 for cables from 0.25 to 2.5 mm² or from AWG 22 to AWG 14)

Protection degree: IP 40 (screw terminal IP20) according to

EN 60070-1 for indoor use

DIMENSIONS (mm)



HOW TO ORDER

A30U = USB to RS485 or TTL converter

A30 - = USB/RS232/RS485 to RS485 or TTL converter

Power supply

- = 5 V supplied by USB port (A30U only)

L = 24 V AC/VDC (A30- only)

H = 100... 240 V AC (A30- only)

Connections

E = Plug-in screw type

N = Plug-in screw type, fix part only

CONNECTIONS

