



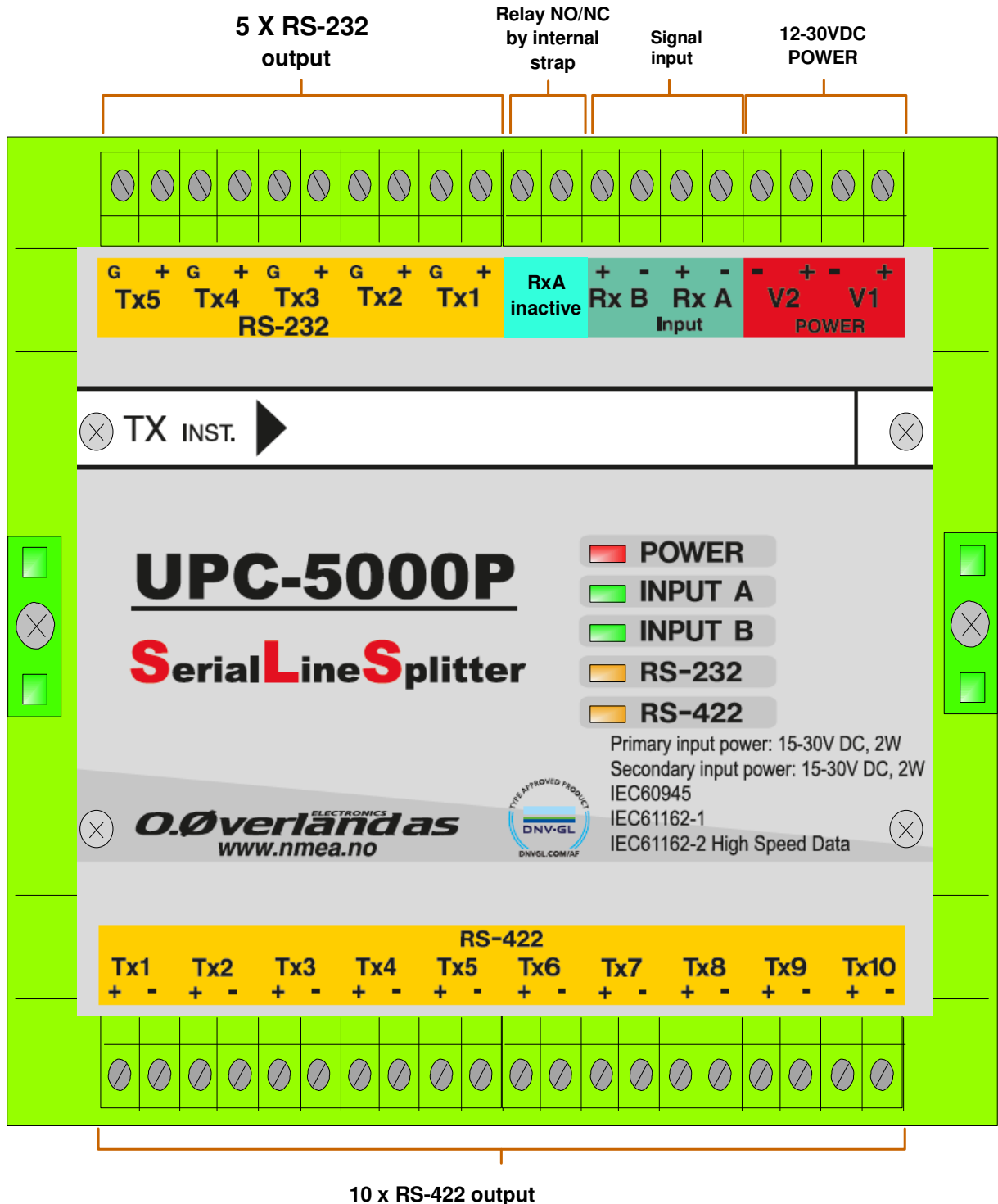
UPC-5000P

Input: RS-232, RS-422, RS-485 NMEA0183.

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UPC 5000P Specifications:

***UPC 5000P is a serial line splitter
with two separate inputs and 15 outputs.
Dual power input with autoswitch.***

***Input A and B are separated.
input A is prioritized.
If there is data on
both input A and B, input A is used.
Input B is used only if input A is out.***

***The powersupply and both signal inputs are
galvanic isolated from the outputs.***

Specifications:

Powersupply main: 12-30Vdc 2W

Powersupply sec: 12-30Vdc 2W

***Input A: 1-20V, 0,5mA min, max. 115200baud
RS-232, RS-422, RS-485***

***Outputs: 10 of RS-422, 50mA max
5 of RS-232. 50mA max***

For Current Loop input. 100 ohm parallel

All outputs are Short Circuit Protected

Module-box with DIN-rail mounting

Dimensions in mm: L-128 x H-50 x W-128

Installation notes

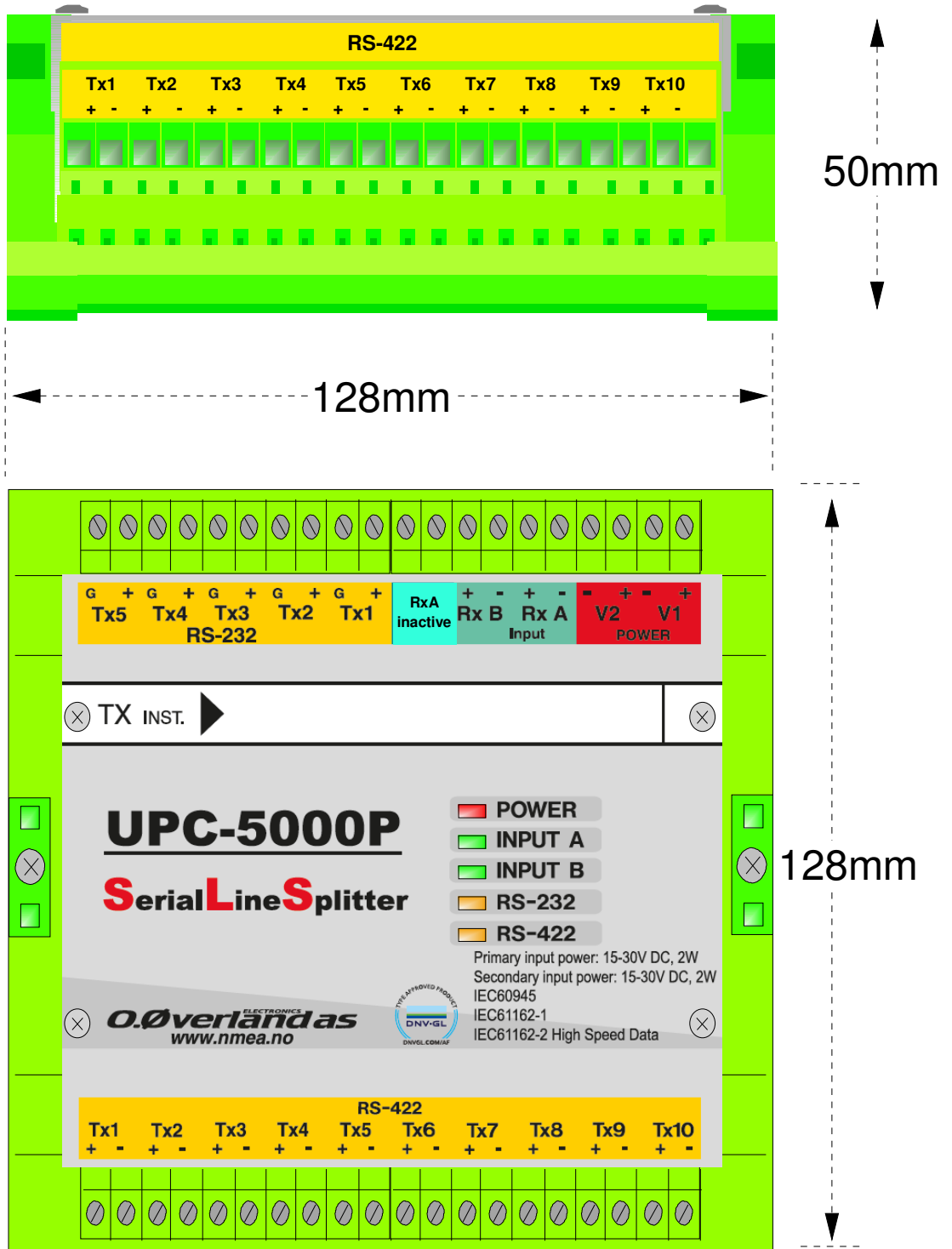
All connections to the serial splitter is done with plain screw terminals. The screw terminal will accept any cable up to 1,5 mm². For longer signal cable runs use shielded CAT5E cable or better (eg. Belden 9226723-04). The splitter is a "single listener/single talker" device, ie. each output should drive a single receiver, and the the input should be the sole listener on the input connection. The splitter does not decode any NMEA sentences, and will pass all sentences and commands unchanged, regardless of message format, checksums, etc.

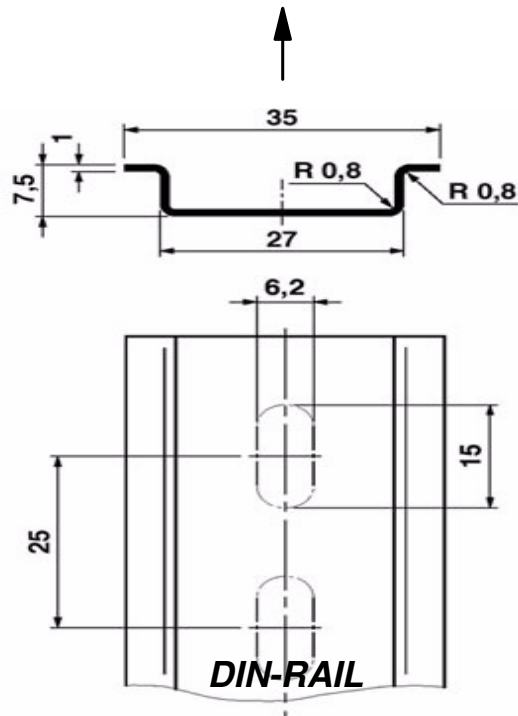
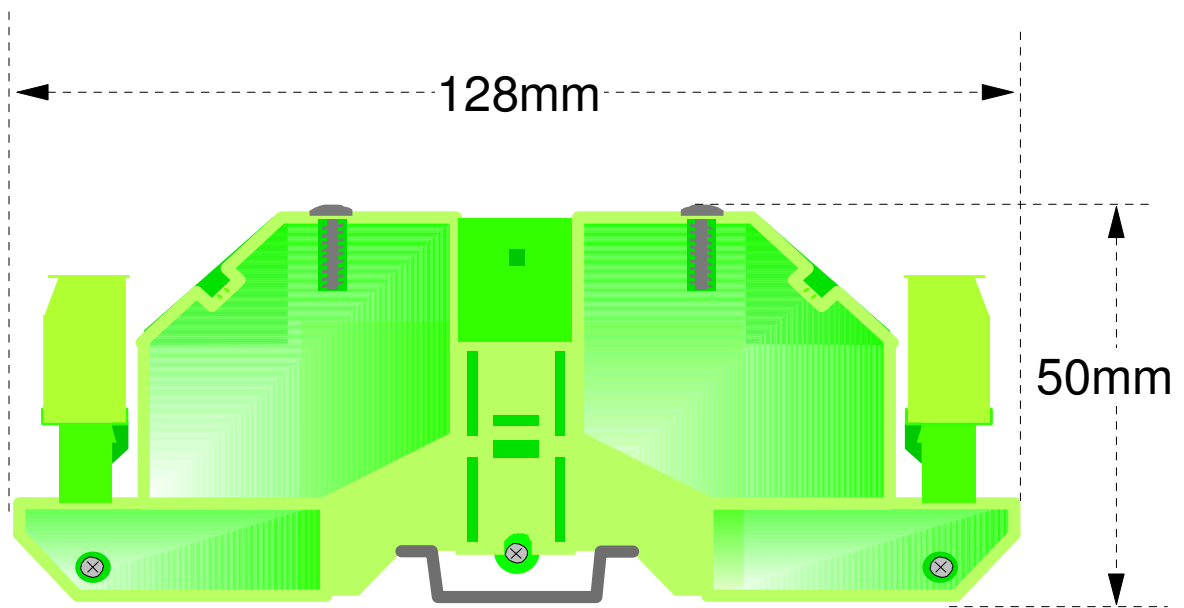
The serial line splitter has true galvanic isolation between the power supply, inputs and outputs. This means that inputs, outputs and power supply don't have to be referenced to a common ground and this can be an advantage in larger installations. In installations where a common ground is preferred, it is permissible to connect these grounds together. In this case, mount a ground bar close to the serial line splitter and tie all ground connections to this.

If the connections on the remote system has designators "A", "B" and optionally "C", use these connections:

<i>IEC 61162-1/IEC 61162-2 Signal name</i>	<i>UPC 3002/3005/5000P/6000 Connector marking</i>	<i>Description</i>
A	+	Positive signal, will be negative with respect to - when idle.
B	—	Negative signal, will be positive with respect to + when idle.
C	Not used	Ground. Not used on UPC device. Do not connect to - The installer may opt to tie all external grounds together with a simple ground bar, see description above.

In case any of the outputs are unused, the unconnected outputs should be terminated with a 120ohm resistor in order to comply with the EMC regulations. Cut the terminals of the resistor to the appropriate length and connect the resistor directly between the + and ? screw terminals.





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