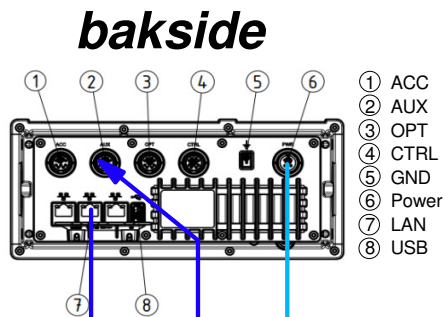
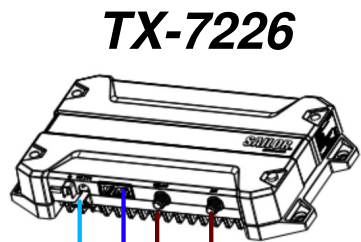




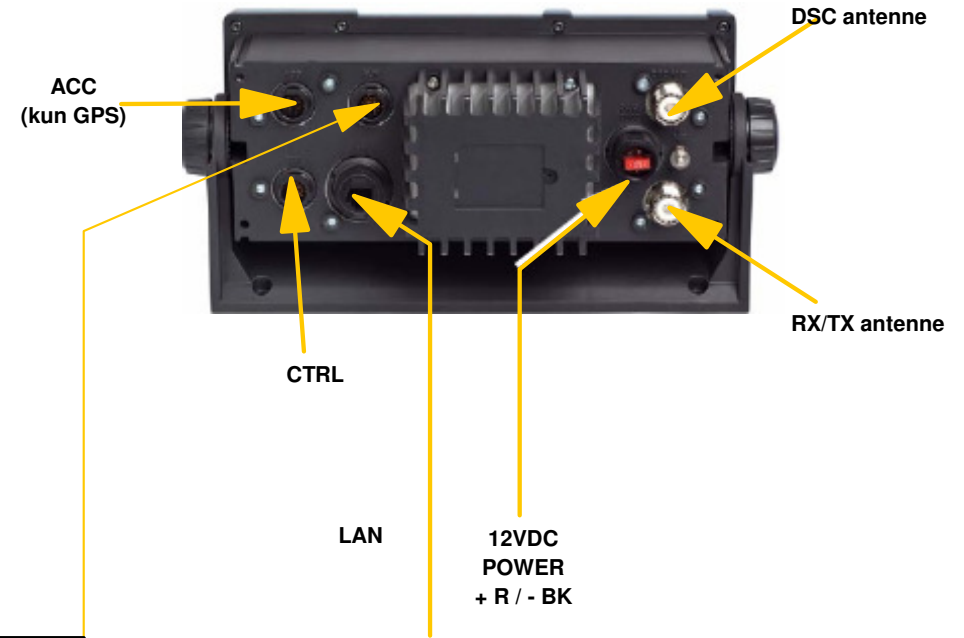
**VHF  
RT-7222**



**VHF  
RT-6222**



**TX-7226**



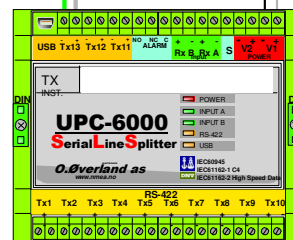
POWER:  
+ = R  
- = BK  
- = WH (on / off)

24VDC

AUX  
GPS input:  
WH = RX+  
GN = RX-

24VDC

DSC ant  
RX/TX ant



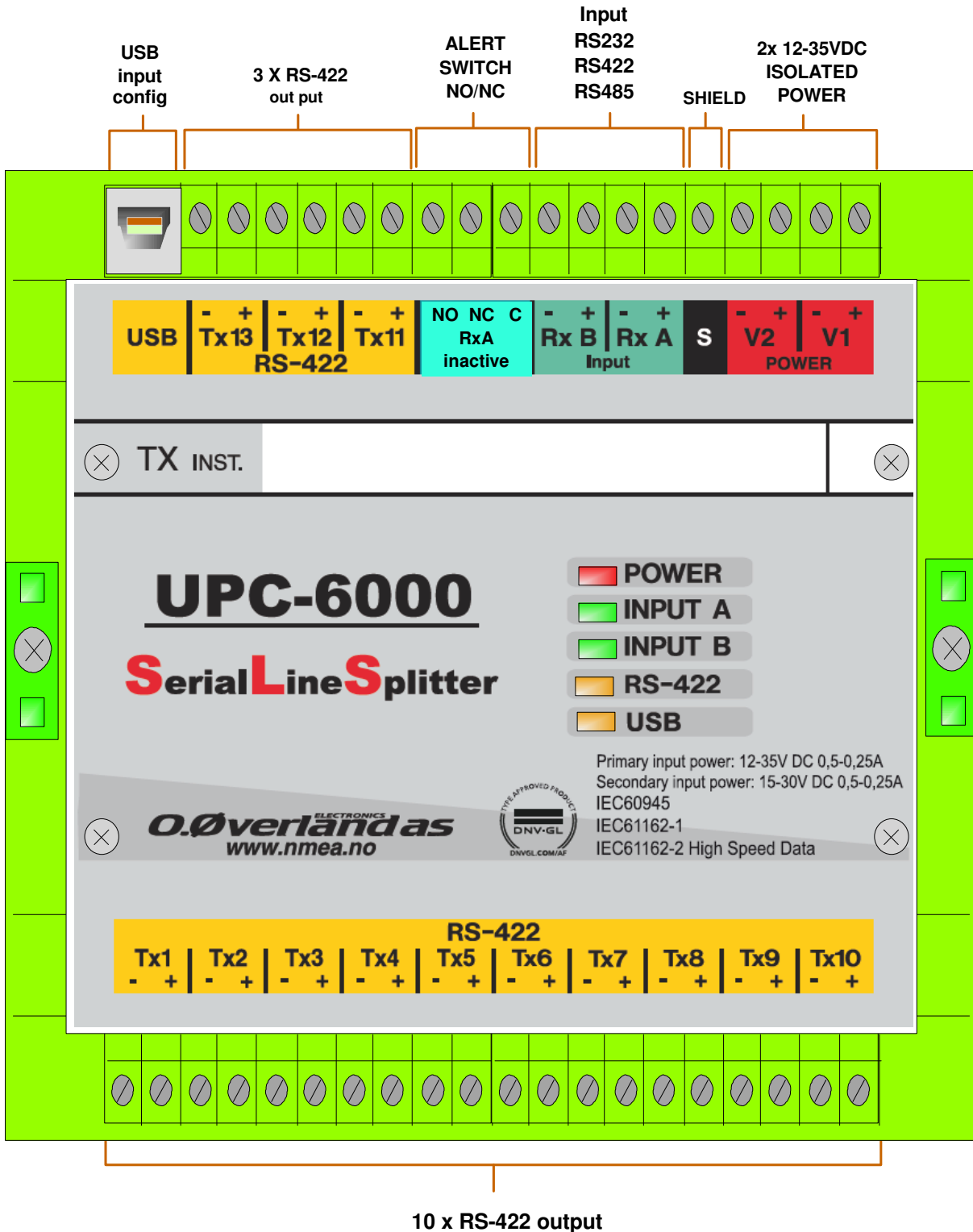
24VDC



# UPC-6000

**O.Øverlandas** ELECTRONICS

P.O.Box1098 N6403 MOLDE NORWAY  
 TEL.+47 71 20 24 00  
 www.overland.no post@overland.no



## **UPC 6000 Specifications:**

**UPC 6000 is a serial line splitter  
with two separate inputs and 13 outputs.**

**Made for installation in protected environment.  
Dual power input with autoswitching.  
The powersupply and both signal inputs are  
galvanic isolated from the outputs.**

**The two inputs A and B are separated with  
A as the primary input. If there is data on  
both A and B inputs, input A is used.  
Input B is used only if input A is idle.**

**RxA inactive: Relay output activated when there is no  
data on input A  
Internal connector for external LEDs.**

### **Specifications:**

**Powersupply main: 12-35Vdc 0,5-0,25A**

**Powersupply sec: 12-35Vdc 0,5-0,25A**

**Input A / B NMEA, RS232, RS422,RS485  
current loop and 200 ppm  
max: 115200 baud**

**RxA inactive: Rele switch when input B is active**

**Outputs: 13 off RS-422, 50mA max,  
RS-232 by addional converter  
cabel.**

**All outputs are Short Circuit Protected  
Module-box with DIN-rail mounting  
Dimensions in mm: L-130 x H-50 x W-80**

# 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 mm<sup>2</sup>. 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>
<b>A</b>	<b>+</b>	Positive signal, will be negative with respect to - when idle.
<b>B</b>	<b>—</b>	Negative signal, will be positive with respect to + when idle.
<b>C</b>	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.

# TYPE APPROVAL CERTIFICATE

## This is to certify:

### That the **Miscellaneous**

with type designation(s)  
**UPC-3002, UPC-3005, UPC-5000P, UPC-6000**

Issued to

**O ØVERLAND AS**  
**Molde, Norway**

is found to comply with

**IMO Res. A.694(17) General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids**

## Application :

**See page 2**

Issued at **Høvik** on **2019-06-27**

This Certificate is valid until **2024-06-26** .

DNV GL local unit: **Kristiansund N**

Approval Engineer: **Steinar Kristensen**



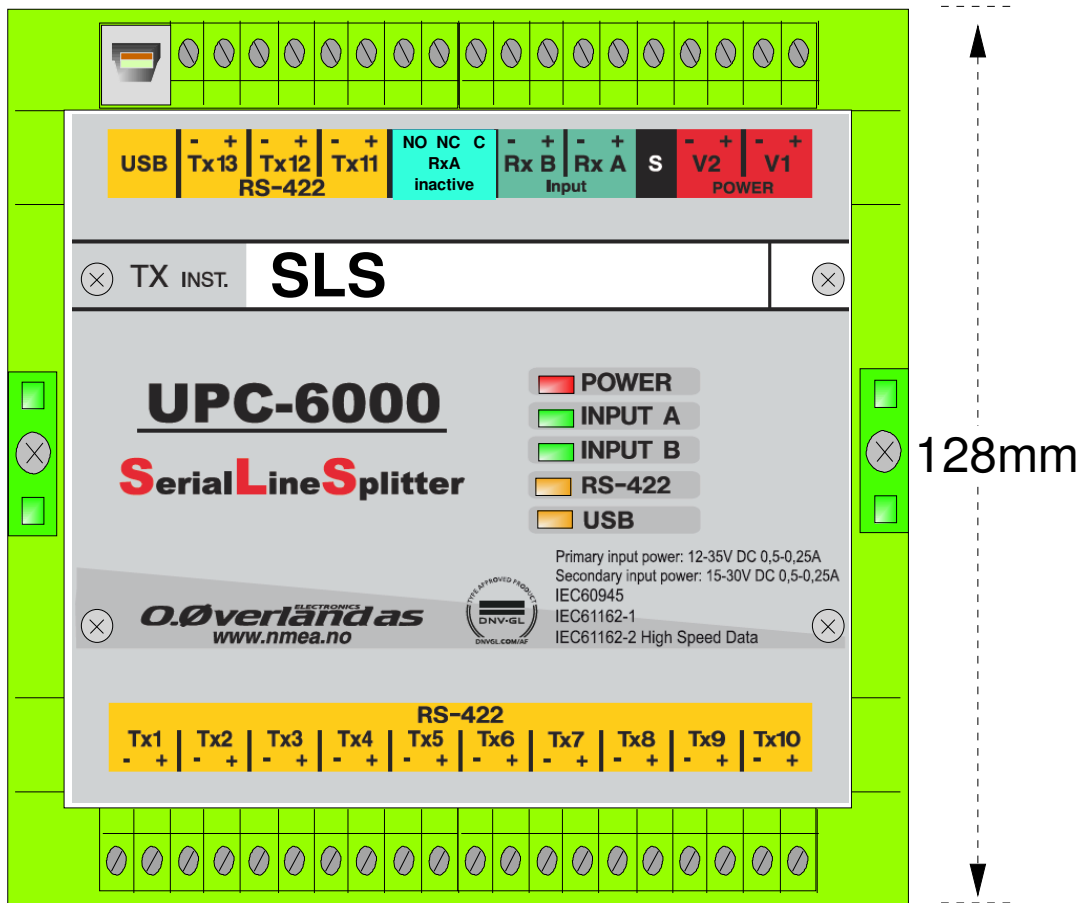
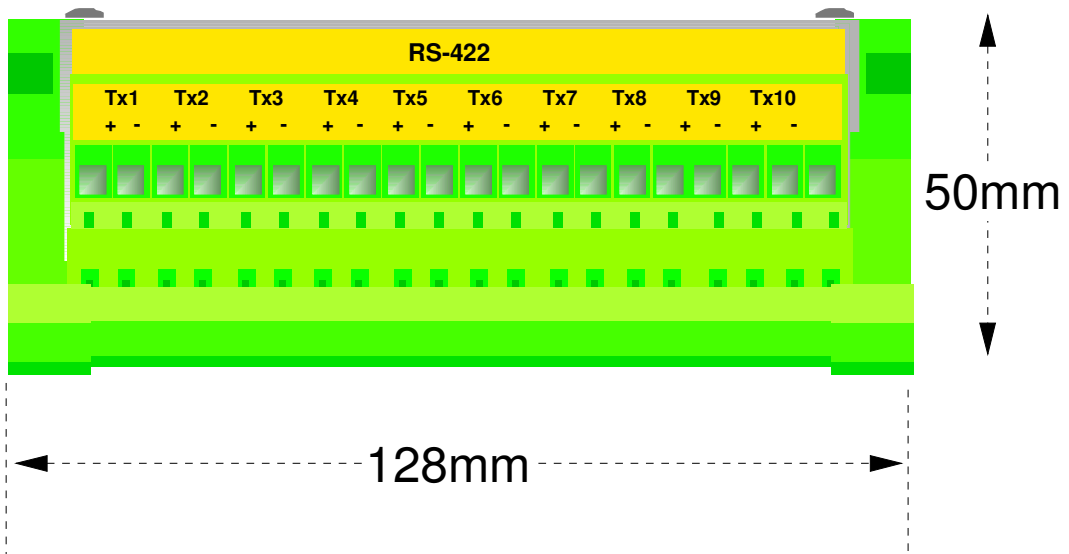
for **DNV GL**

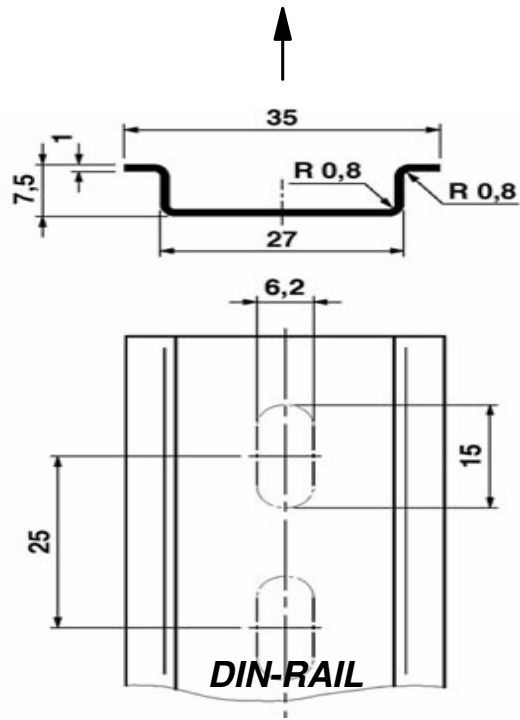
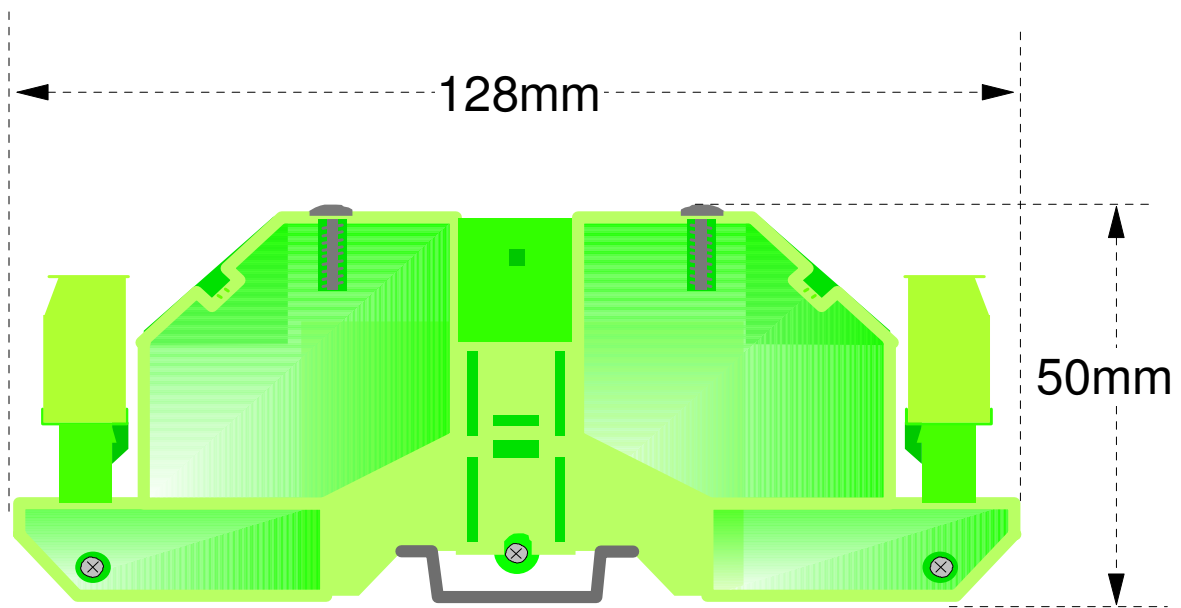
Digitally Signed By: **Trond Sjøvåg**  
Location: **DNV GL Høvik, Norway**

**Trond Sjøvåg**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.









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