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1. General

These safety instructions describe the usage of ConBox RS232 A. The already valid safety instructions of the device Getac V100 – Ex are not impaired (Exception: Usage of the RS232 interface).

2. Reconversion instruction MIL-CON BOX RS 232

1. Turn the V100 –Ex.

Remove the two marked screws and put them on side.



2. Release the cover and put it on side.



3. Remove the marked screw from the corner.
This screw is no longer needed.



4. Connect the plug from ConBox into V100 -Ex.
Take care it fits 100%.



5. Connect the ConBox housing to the v100 -Ex.



6. Turn the V100 -Ex.



7. Connect the lasered plate to the Con Box and the V100-Ex.
The holder have to fit into the flute. Fix the plate with the 4 screws
(M2,5 x 8 TORX / 0,4 Nm hinge moment).



8. Turn the V100 -Ex again.
Loose the marked screws. Let the covers stay.



9. Fit the cover to the V100 –Ex and ConBox as shown in picture.



10. Fit the Cover with the screws.
(M2,5 / 8 TORX / 0,45 NM hinge moment).



11. Fit the corner screw (M2,5 / 8 TORX / 0,45 NM hinge moment).



12. Fit the screws (M2x8 TORX / 0,3Nm hinge moment).



13. Fit the cover to ConBox with the screws supplied and turn them with hand.



3. Connection Values

Valid for the complete RS232 interface in normal mode, safety factor 1 (Zone 2 and 22):

$$U_i = +/- 25V$$

$$U_o = +/- 8.46V$$

$$C_i = 1.44\mu F$$

$$C_o = 1.554\mu F$$

$$L_i = \text{negligible (0mH)}$$

$$L_o = 150mH$$

$$I_o = 21.4mA$$

$$P_o = 362mW$$

Gas hazardous area:

$$I_i = \text{n.a./ not specified (internal limited, value } U_i \text{ must be adhered to.)}$$

$$P_i = \text{n.a./ keine Angabe}$$

Dust hazardous area:

$$P_i = 354mW \text{ (limited to dust intrinsically safe values)}$$

$$I_i = 228mA$$

4. Safety Instructions

Hold the RS232 interface closed by using a plug (connected wire) or the closer head inside hazardous areas.

Connections into the zones 0,1 and 20,21 are not allowed without usage of additional barrier.

