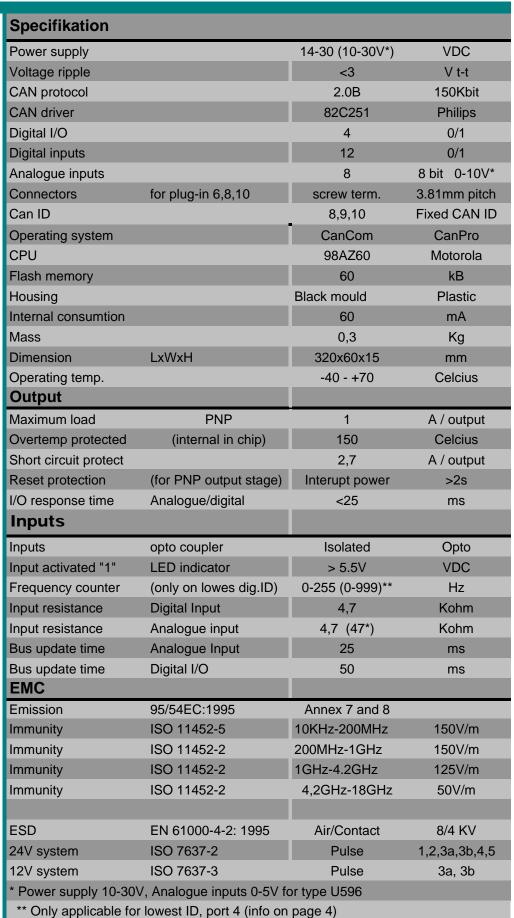


Digital/Analogue



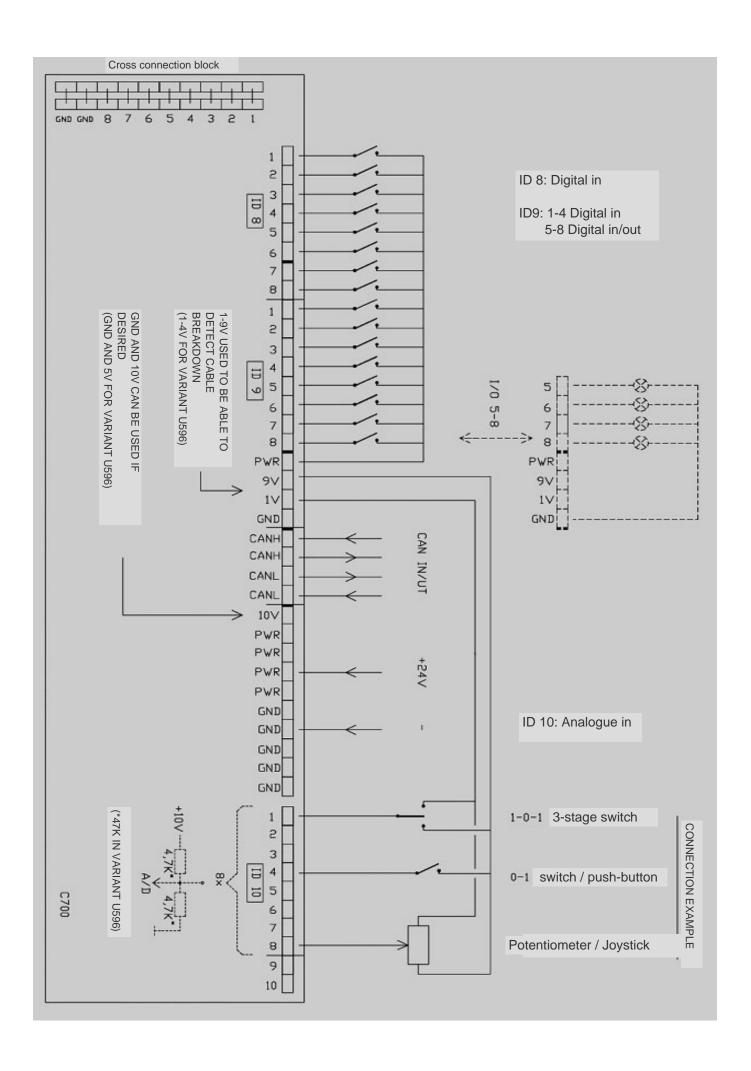
Multimodule C700 v7 (E Issue 2

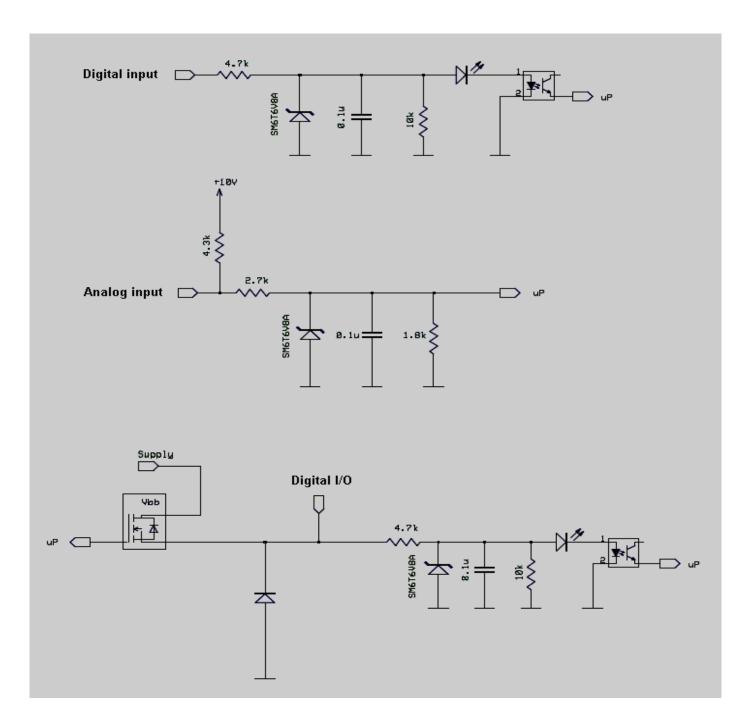












Special function on first digital ID:

The inputs on the first ID has a frequency counter function.

There is a invidual lowering function for the eight counter inputs.

The function is activated with ¤FDIV,x,t in the port comment for the lowest ID.

The Frequency is divided by x and integrated with the time t.

x and t is set to an integer between 0-255.

x is the divisor for the frequency 1-255 (0 is not a valid value).

t is the integration time 0-255 which corresponds to 0-25,5 seconds.

The integration time means that "the average calculation" differs in time depending on the difference in frequency between two different measurements.

Integration happens continuously with 100ms (10Hz).

If you choose analog out in the analogue ID, the output can be used as a bus flag. (Condition is executed in the analogue ID.)

From version 5 it is also a rescaling function for frequency on port 4 available. The function is activated with a setup string in the port comment for port 4 with the formula ¤x1,x2,y1,y2 where x is input (0-999 Hz) and y is output (0-255). The values must be written with 3 digits.

Example 1:

An input with frequency between 220 and 680Hz is to be rescaled to a value between 127 and 1. Write "x220,680,127,001" in the comment box.

Example 1:

An input with frequency between 220 and 680Hz is to be rescaled to a value between 240 and 180. Write "¤220,680,240,180" in the comment box.

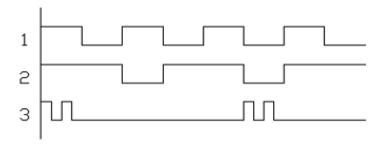
RUN och COM indication

COM

- COM LED flashes if expected data is received from the CAN-bus.

RUN

- RUN LED shines with a steady light when the operating system is loaded, but no ID are programmed.
- RUN LED flashes when current CPU is programmed (COM LED flashes also).
- RUN LED do not shine when programming is in progress, but not in current CPU (COM flashes also).
- 1. When all ID are programmed and everything is OK, RUN LED flahes with period time 0.4s lit and 0.4s off. See figure curve 1.
- 2. If some ID (but not all i the CPU) are programmed and OK, RUN LED flashes with period time 1.2s lit and 0.4s off. See figure curve 2.
- 3. If any ID requests input from the CAN-bus is missing (timeout) the outputs are shut down and RUN LED flashes with a period time of 2s, 0.1s lit, 0.1s off, 0.1s lit, 1.7s off. See figure curve 3.

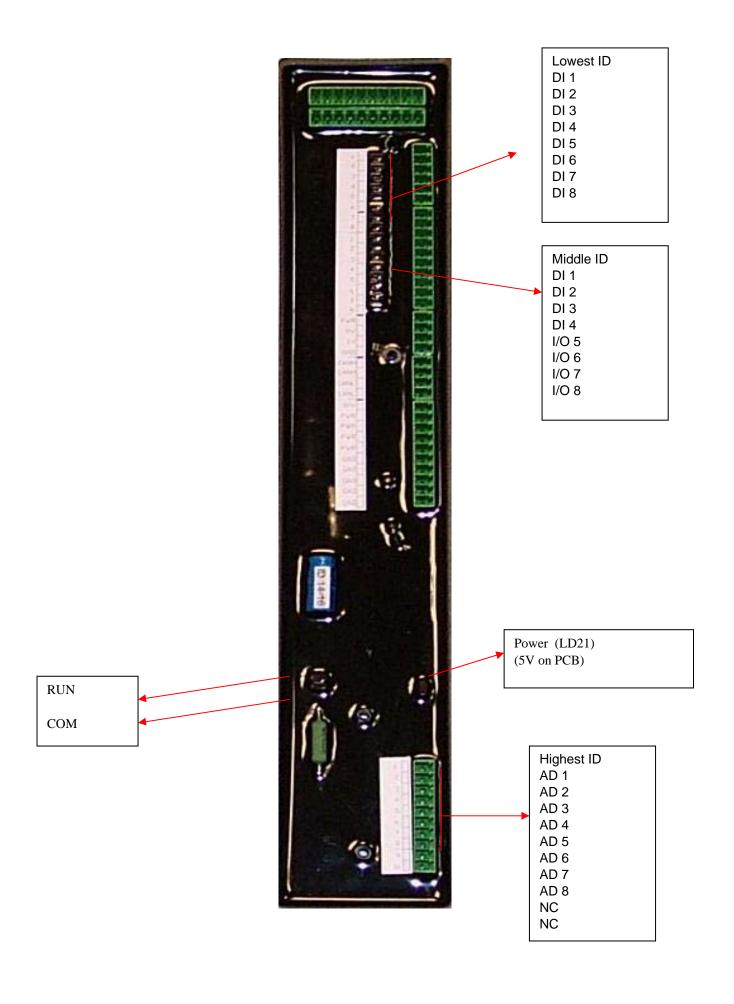


Indication of in- and outputs

These LEDs are lit when the I/O is activated.

Indication for LD21

This LED indicates that there is 5 volt. If this LED is off the board is overloaded.





Declaration of Conformity according to the EMC directive 2004/108/EG

Försäkran om överensstämmelse enligt EMC direktivet 2004/108/EG

By signing this document the undersigned declares as manufacture that the equipment in question complies with the protection requirements of directive(s)

Genom att underteckna detta dokument försäkrar undertecknad såsom tillverkare att angiven utrustning uppfyller skyddskraven i rubricerade direktiv

CanCom Multimodule C700

95/54EC:1995 95/54EC:1995 ISO-11452-5 ISO 11452-2 ISO 7637-2 puls 1,2,3a,3b,4,5 ISO 7637-3 puls 3a, 3b EN 61000-4-2 Radiated RF emission
Radiated RF immunity
Radiated RF immunity
RF immunity Stripline
Conducted transients on power lines
Conducted transients on signal lines
ESD (4kV contact, 8kV Air)



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Morten Jörgensen