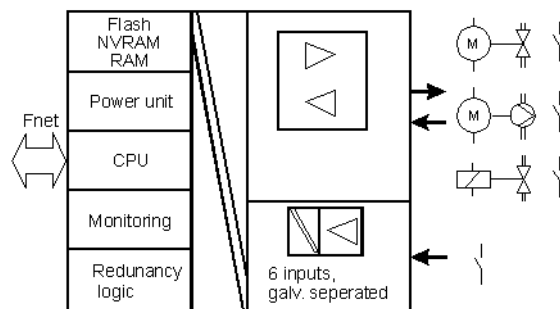


## CBC 11 - Output module - control

### Features / Application

Figure: Block diagram of the module CBC 11



- 35 P-switching power outputs
- 14 N-switching power outputs
- 48 binary inputs
- 15 supply outputs for binary sensor
- central galvanic separation of the inputs and outputs of the system
- module is capable of redundant operation
- monitoring of the module

The control module CBC 11 serves the purpose of controlling the following equipment:

- electrical control drives
- motor drives
- magnetic valves
- control drives

For conventional operation individual auto-manual units can be connected.

## Technical Data

<p>Power outputs (P-switching)</p> <ul style="list-style-type: none"> <li>- signal level:</li> <li>- output current:</li> </ul>	<p>UOL = 0 V (high-impedance output)          UOH = 24 V (typical)          IOH &lt; 100 mA; short-circuit proof and current limited</p>
<p>Power outputs (N-switching)</p> <ul style="list-style-type: none"> <li>- signal level:</li> <li>- output current:</li> </ul>	<p>UOL =          UOH =          IOH &lt; 100mA; short-circuit proof and current limited</p>
<p>Output for sensor supply</p> <ul style="list-style-type: none"> <li>- signal level:</li> </ul>	<p>Using parameters can be set to:          UVG = 0 V (high impedance output)          UV = 24 V, IO &lt; 100 mA; short-circuit proof and current limited          UVG = 36 V, IOH &lt; 20 mA; short-circuit proof and current limited</p>
<p>Binary inputs for contact interrogation</p> <ul style="list-style-type: none"> <li>- signal input voltage:</li> <li>- signal input current:</li> <li>- input resistance:</li> </ul>	<p>UIL = 0V          UIH = 20.4 V ... 40.0 V          (switching threshold at 8.5 V)          IIH = 3 mA (typical)          RE = 12 kOhm          For modular redundancy the entire input resistance is halved by the parallel switching</p>
<p>Binary inputs for 3 and 4 wire proximity switches and Standard binary inputs</p> <ul style="list-style-type: none"> <li>- signal input voltage:</li> <li>- signal input current:</li> <li>- input resistance:</li> </ul>	<p>UIL = 0 ... 5 V          UIH = 24 V          (switching threshold at 8.5 V)          IIH = 2 mA (typical)          RE = 12 kOhm          For modular redundancy the entire input resistance is halved by the parallel switching</p>
<p>Galvanic separation:</p>	<p>Central galvanic separation of I/O area of the system          Channel-wise galvanic separation of the inputs from HWS 15 ... 20</p>
<p>Ambient temperature:</p>	<p>0 ... 50 °C (Temperature for ventilation of the module in the module sub-rack)</p>
<p>Voltage supply:</p> <ul style="list-style-type: none"> <li>- supply voltage:</li> <li>- fuse protection:</li> </ul>	<p>Uv1/Uv2 = 20 ... 33 V          G-fusible element 5 * 20          3.15 A slow-acting T 3.15 H</p>
<p>Permissible overvoltages:</p>	<p>35 V (for 1 s)          45 V (for 10 ms)</p>
<p>Current drain (reference current):</p>	<p>150 mA at Uv = 24 V (without external switching)</p>
<p>Power loss:</p>	<p>Max. 13 W</p>

## Ordering Information

Catalog No.								Description	
72134-4-	0	7	8	8	7	3	4	CBC 11 - Output module - control	
Additional Order Information									
								Former System Packet (Indicate Version)	BA-No. 601
Necessary Accessories:									
72199-4-	0	7	4	5	2	1	3	CI 100 Connection Unit, grey, Standard Version, Basic	
	0	7	4	5	2	0	3	CI 101 Connection Unit, grey, Standard Version, Redundant 8 TE	
72199-4-	0	7	8	9	4	4	1	Cable Clamps	



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