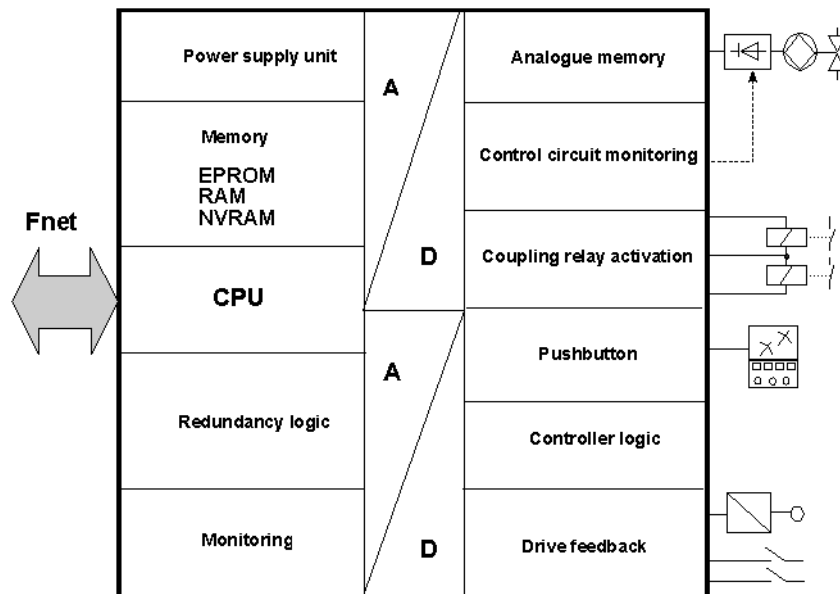


CAC 10 - Output module - loop control

Features / Application



- 4 Identical hardware sections for signal input and output
- Per section:
 - 1 Analogue input
 - 2 Analogue outputs
 - 1 Load resistance
 - 4 Inputs for scanning contacts or standard binary signals
 - 2 P switching power outputs
 - 1 Standard binary output
 - 1 Supply output for a 2 wire transmitter
- Module is capable of redundancy
- Galvanic connection between I/Os and computer CPU
- Monitoring of the module

CAC 10 serves for the control and monitoring of the following devices:

- Continuously working drives
 - Intelligent servodrives CONTRAC
 - Intelligent pneumatic drives
 - Conventional electrical /pneumatic drives
- Electrical servodrives working in step operation
 - Step controller with PI-algorithm in CAC 10
 - 3-point positioner

Technical Data

Voltage inputs: - Nominal range - Input resistance - Damping - Resolution	$U_E = -10 \dots 0 \dots +10 \text{ V}$ or $U_E = -1 \dots 0 \dots +1 \text{ V}$ $R_E > 10 \text{ MOhm}$ $D = 30 \text{ dB type. (} f = 50 \text{ Hz)}$ 12 Bit + sign
Current inputs: - Nominal range - Input resistance	$I_E = 0/4 \dots 20 \text{ mA (dead/live zero)}$ $R_E = 50/500 \text{ Ohm}$
Voltage outputs: - Nominal range - Load resistance - Resolution	$U_A = -10 \dots 0 \dots +10 \text{ V, (Short circuit/overload proof)}$ $R_A > 2 \text{ kOhm}$ 12 Bit + sign
Current outputs: - Nominal range - Impedance voltage - Monitoring	$I_A = 0/4 \dots 20 \text{ mA (dead/live zero)}$ $U_B = 0 \dots 12 \text{ V}$ wire breakage ($I_{\text{actual}} < I_{\text{nominal}}$)
Binary inputs: - Input level - Input current	$U_{IL} = +12 \dots +35 \text{ V}$ $U_{IH} = -3 \dots +5 \text{ V}$ $I_{IH} = 0,75 \text{ mA type.}$
Contact scanning: - Input level - Input current	$U_{IL} = +12 \dots +35 \text{ V}$ $U_{IH} = -30 \dots +5 \text{ V}$ $I_{IH} = 4 \text{ mA type.}$
Binary outputs: - Output level - Output current	$U_{OL} = 0 \dots +2 \text{ V (output open)}$ $U_{OH} = +16 \dots +33 \text{ V}$ $I_{OH} < 10 \text{ mA, (Short circuit/overload proof)}$
Power outputs: - Output level - Output current	$U_{OL} = \text{Output high impedance}$ $U_{OH} = +16,5 \dots +33 \text{ V, (>18 V by } I = 60 \text{ mA)}$ $I_{OH} < 150 \text{ mA, (Short circuit/overload proof)}$ $I_{\text{Nominal}} = 110 \text{ mA by } U_{OH} = 24 \text{ V}$
Voltage supply: - Feed voltage - Fuse	$U_v = +20 \dots +33 \text{ V}$ G-fusible cartridge 5 * 20 3,15 A slow T 3,15 H
Permissible U_v -overvoltage:	35 V for 1 s 45 V for 10 ms
Current rating (without load):	$I_V = 260 \text{ mA by } U_v = 24 \text{ V}$
Sensor supply: - Output voltage - Output current	$U_{OH} = +17,5 \dots +33 \text{ V}$ $I_{\text{Nominal}} = 25 \text{ mA, (Short circuit/overload proof)}$
Power loss:	$P_{\text{Max}} = 13 \text{ W}$
Ambient temperature:	0 ... 50 °C (Temperature for ventilation of modules in the module chassis)
General data: - Space requirement - Weight	8 TE, 7 HE 500 g
Accessory (can be ordered separately):	4 Terminal units CI 100 or CI 101, cable laying, coding piece

Ordering Information

Catalog No.								Description	
73111-4-	0	7	8	8	7	1	1	CAC 10 - Output module - loop 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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