

AEA 300, Analog Output Modules; 2-Channel



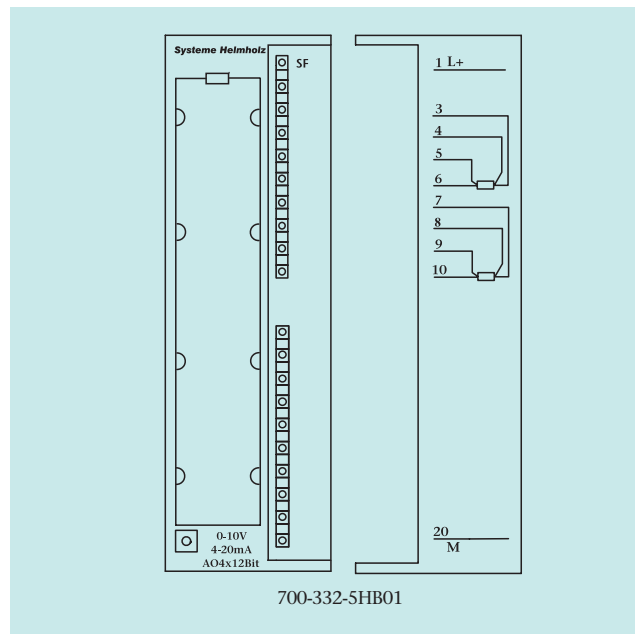
2-channel analog output module

The analog output modules from the Systeme Helmholtz GmbH convert the internal signal level of the programmable controllers to the analog signal level required for the process.

This module is suitable for connection of analog actuators for voltage and current outputs in the range up to ± 10 V or ± 20 mA.

The signal lines are connected to the corresponding front connectors. You can identify them on the labeling strip.

The modules can be fully configured with the programming software. Hardware switchover is not necessary.



Technical Data

Number of outputs	2
Diagnostics alarm	yes
Diagnostics	red LED for group error display
Nom. load voltage	DC 24 V
Output ranges	
- voltage outputs	0...10 V; ± 10 V; 1...5 V
- current outputs	4...20 mA; ± 20 mA; 0...20 mA
Load impedance	
- for voltage outputs	min. 1 k Ω
- for current outputs	max. 500 Ω
- at capacitive load	max. 1 μ F
- at inductive load	max. 10 mH
Voltage output	
- short-circuit protection	yes
- short-circuit current	max. 35 mA
Current output	
- open-circuit voltage	max. 18 V
isolation against backplane bus	yes
Operational limit (0 to 60 °C, with reference to output range)	
- voltage	$\pm 0,5$ %
- current	$\pm 0,6$ %
Basic error limit (operational limit at 25 °C, with reference to output range)	
- voltage	$\pm 0,4$ %
- current	$\pm 0,5$ %
Cable length (shielded)	max. 200 m
Current consumption	
- internal (from backplane bus)	typ. 60 mA
- external, without load	max. 120 mA
Power loss	typ. 3 W
Front connector	20-way
Permissible ambient temperature	
- operating	0°C ... +60°C
- transport and storage	-25°C ... +75°C

Ordering Data

	Order-No.
AEA 300 2-channel analog output module	700-332-5HB01
Manual AEA 300, german/english	900-331-0AA01