

VA 6

VALVE AMPLIFIER MODULES

VA6 is a multichannel Voltage/Current amplifier module designed to drive hydraulic valve coils.

VA6 has 2 versions:

- VA6-S is the standard amplifier module without feedback. The board is behaving as a linear Voltage/ Current amplifier.
- VA6-F is equipped with a feedback mechanism controlling the valve with an LVDT signal input.

Main characteristics

	VA6-S	VA6-F
Supply Voltage	24VDC	
Temperature Range	0°C .. +50°C	
Input Channels	2 x ±10V, (10bit ADC) 2 x 0..10V, (10bit ADCs)	
LVDT Input	Not Available	2 x LVDT inputs: 3V..12V
Outputs Channels	6 channels : 0.5 to 4A (configurable current-limit and short-circuit protection per channel)	
Interfaces	RS232 Sub-D connector for PC communication	
Control Functions	Individual Offsets, Individually adjustable Dither : 50 to 250Hz and 0 to 10% of I _{max} Individually adjustable Ramps : 0.01 to 0.5s (separate Rise & Fall times) Individually programmable output current limitation	
Features	output current-overload LEDs Enable input (24VDC) with LED indication	
Connections	Socket or screw terminals for AWG 16-30 Wire	

Output Configurations

Maximum Current selected with jumpers*:

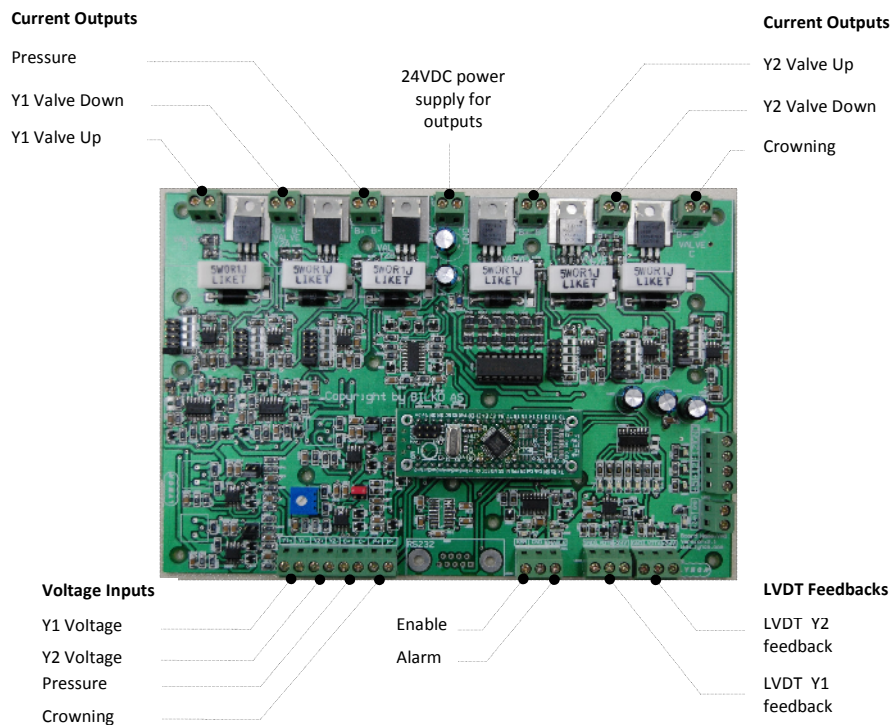
- 0.5 A
- 1 A
- 1.5 A
- 2 A
- 3 A

* Current limitations may be predefined with other values up to 4A.

Programming

VA6 has a 16-bit microcontroller that is programmed in C language. On request specific signal processing functions can be easily implemented.

Application in hydraulic press brakes



VA6 is available with or without housing.