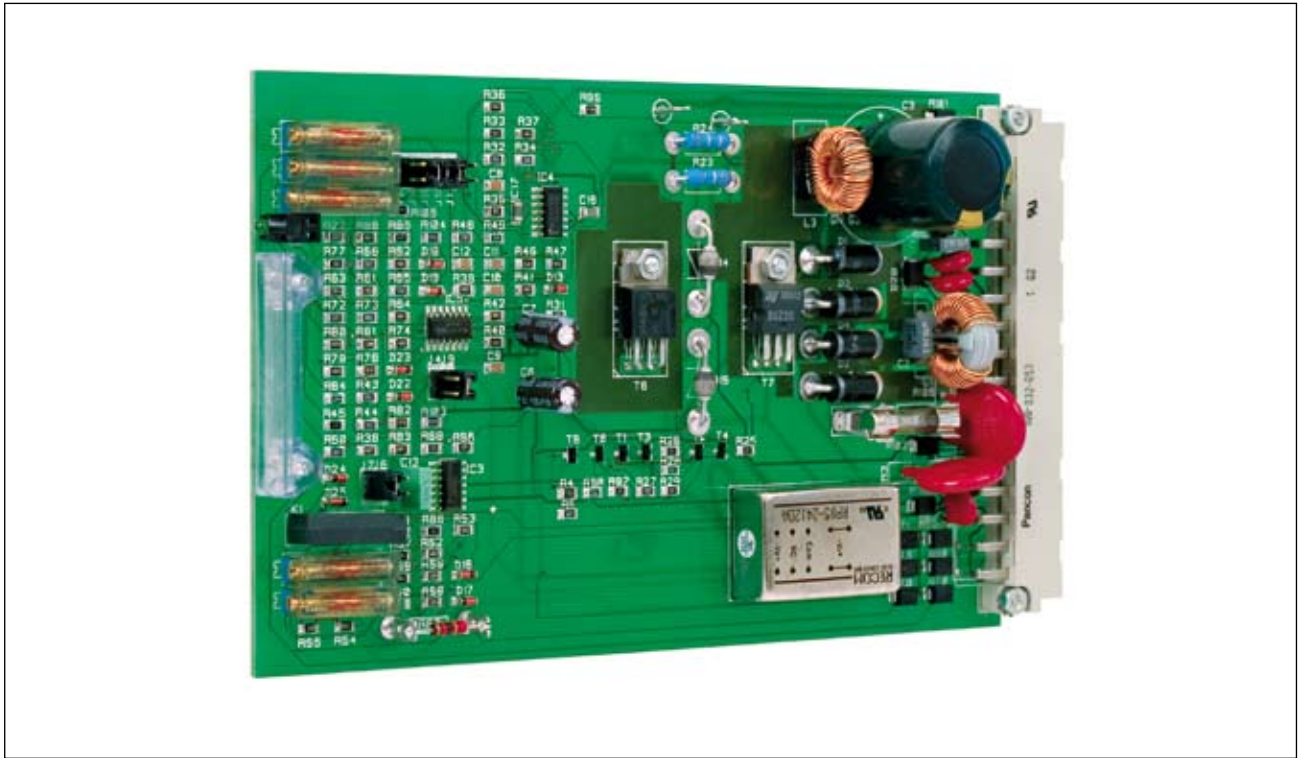


AN535 Servo Amplifier



The AN535 servo amplifier has been designed as a low-cost unit for single-magnet proportional valves.

Applications include the control of proportional pressure control and throttle-valves.

The module is provided with various setpoint inputs 4-20mA, 0-20mA, 0-5V, 0-10V, user selectable, 10k Ω /V.

The ramp gradients can be set separately for rise and fall.

In addition, I_{max} , I_{min} and the dither amplitude can be set via multi-turn resistors.

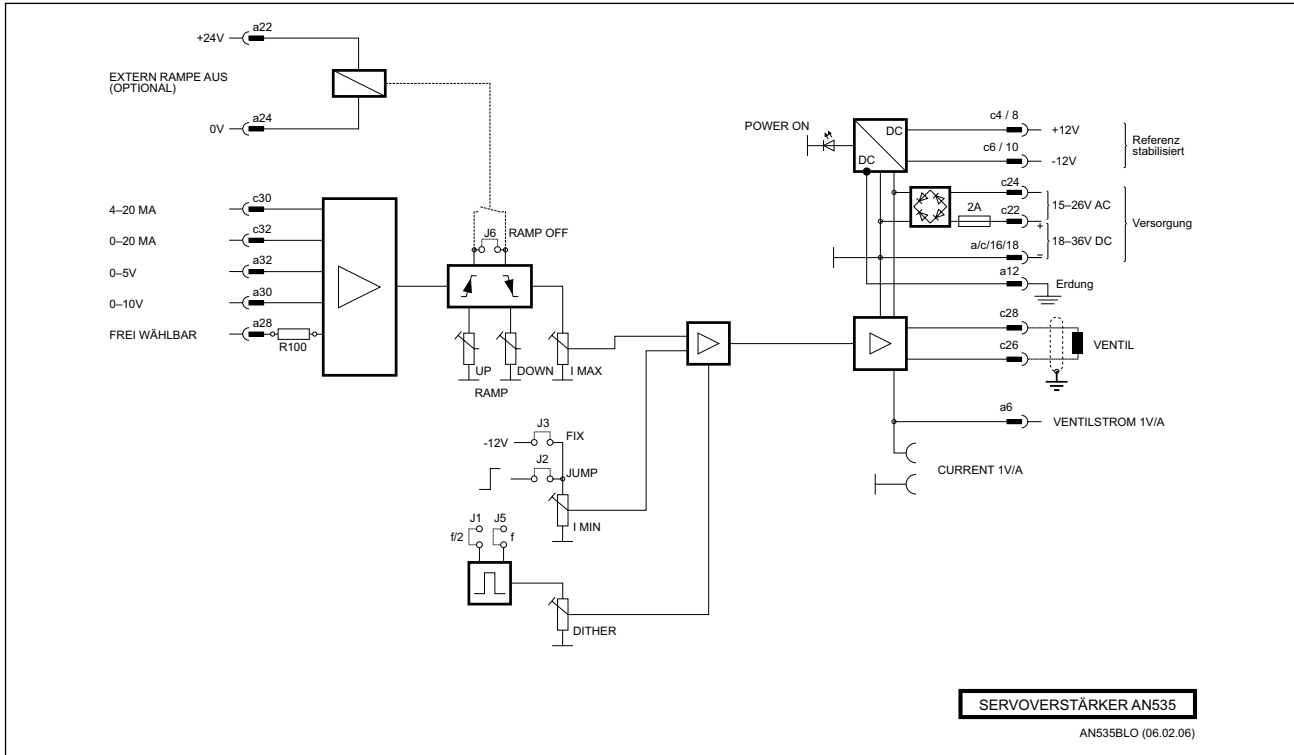
As an option, the module can be supplied with an external input for ramp switch-off.

The pin assignments and functions of the AN535 are compatible with the AN135.

PEES

COMPONENTS

AN535 Servo Amplifier



SERVOVERSTÄRKER AN535
AN535BLO (06.02.06)

Technical Data:

Dimensions (Overall dim.)	Eurocard format (100x160) mm (30 x 100 x 169) mm (WxHxD)
Connection	32 pin connector DIN 41612 D32
Supply voltage	24V DC (18-36V DC) 15-26V AC
Reference voltage	-12V, ca. 50mA, stabilised
Output current	$I_{max} = 2A$
Setpoint inputs	1x 4-20mA, 100Ω 1x 0-20mA, 100Ω 1x 0-5V, 50kΩ 1x 0-10V, 100kΩ 1x user selectable 10kΩ / V MAX
Dither	2 jumper-selectable ranges approx. 140Hz (plug in position J5) approx. 45Hz (plug in position J1) Amplitude can be set using the DITHER potentiometer, approx. 0-10% of rated current
Multi-turn resistors	I_{max} I_{min} approx. 0-25% of I_{max} Ramp up 2-140V/s (-20%) (70ms-5s) Ramp down 2-140V/s (-20%) (70ms5s)