



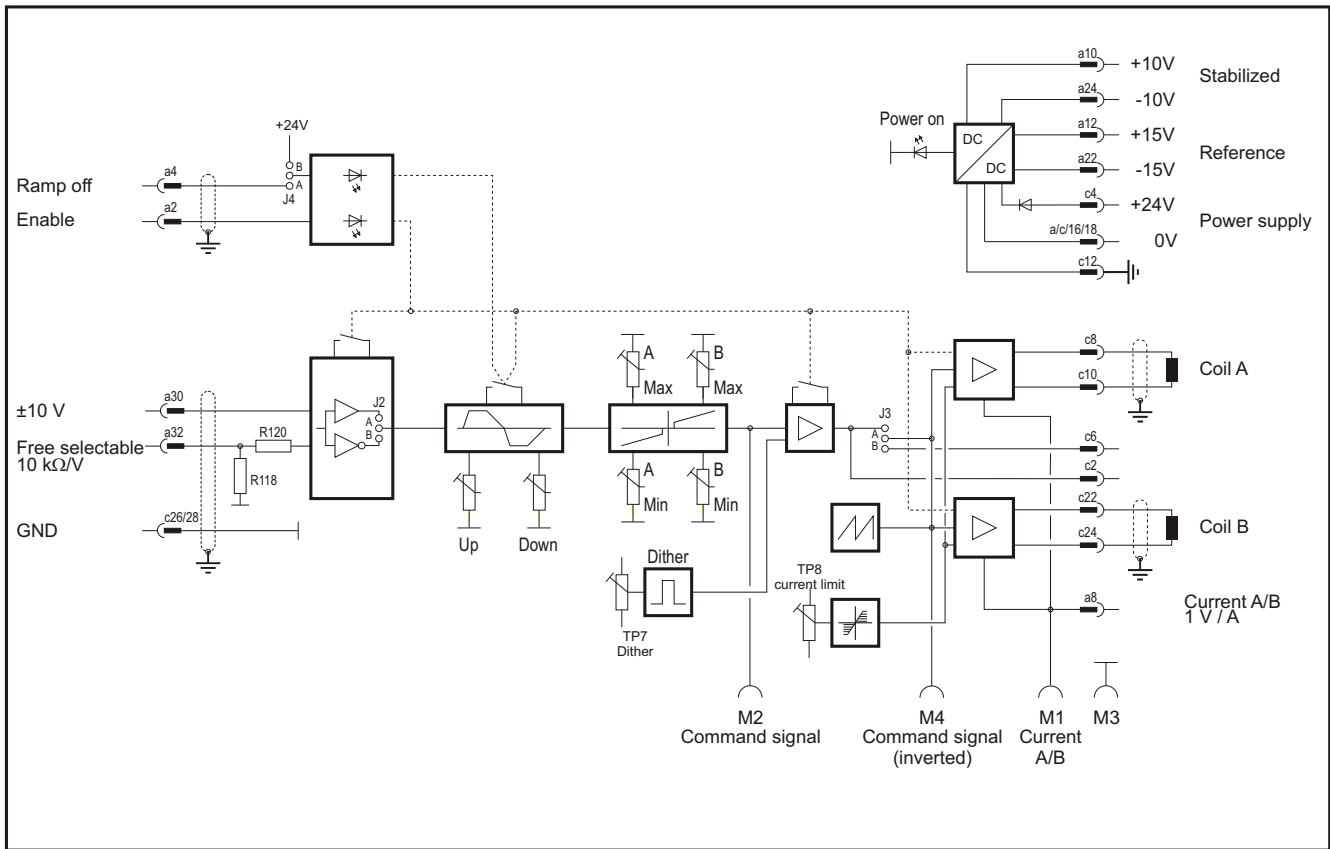
XF105 Servo Amplifier

Servo amplifier XF105 for controlled proportional-stroke valves with two magnet coils.

Features:

- protection against wrong polarity
- short-circuit proof
- ramp can be switched off externally
- quadrant-sensitive ramp
- wide ramp adjustment range
- external enable
- measurement sockets for setpoint voltage and magnet coil current
- the negative of the power supply is at the same potential as the input zero voltages
- PWM output stage with excellent dynamics
- LED indicators for 'Power on', 'Ramp off' and 'Fail safe'
- Potentiometers for ramps, Imin and Imax

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Technical data:

Dimensions (overall dim.)	Eurocard format (160x100) mm (20.2x128.7x189.7) mm (WxHxD) Front plate 3HUx4SU	Dither	Approx. 115 Hz adjustable amplitude, approx. 0...30 % of rated current
Connection	32 pin connector DIN 41612 D32	Signal inputs	1x ±10 V, 100 kΩ 1x user selectable 10 kΩ/V
Supply voltage	24 V DC (+10% / -15%)	Ramp times	Ramp up/down independently adjustable, 0.08...8 sec
Reference voltage	±10 V, 10 mA, stabilised ±15 V, 100 mA, stabilised	Ramp off	Input voltage 24 V, 6 kΩ Indication via 'Ramp off' LED
Output current	I _{max} = 2600 mA, 3 plug-selectable ranges: 0... 800 mA 0...1600 mA 0...2600 mA	Enable	Input voltage 24 V, 6 kΩ Indication via 'Fail safe' LED
PWM frequency	Approx. 5.5 kHz	Measurement sockets	'Valve current': 1V = 1A 'Command sig'
Short-circuit protection for output stage and reference voltages			