



SERVO AMPLIFIER 26.50

[for Linear and Rotary Synchronous Servo Motors]

■ *Design for single-axis and multi-axis amplifiers in 6 HU*

■ *Positioning and nut setting applications*

■ *High dynamics*

■ *Resolver, incremental encoder, sine/cosine and Hall effect sensor evaluation*

■ *Self-adjusting resolver adaptation*

■ *Galvanic separation between logic and power module*

■ *Extensive protective functions for motor and servo amplifier*

■ *Analog reference value interfaces*

■ *Phase shifting for an increased drive usage*

SIEB & MEYER



Servo amplifiers of series 26.50 offer full versatility. Due to the modular design, power and servo modules of different performance ranges can be combined in a chassis. The modules can be supplied for intermediate circuit voltages of 48 V_{DC} to 680 V_{DC}. Single axis amplifiers with integrated power module (peak current up to 40 A) complete the series.

The amplifier series 26.50 can be used in various applications, both in nut setting and the motion power technology. The multi-axis servo amplifiers, listed in the table below, have independent output stages. Up to three identical output stages can be cascaded, so that peak currents of up to 240 A (680 V_{DC} intermediate circuit voltage) can be achieved.



Multi-Axis Servo Amplifiers for Intermediate Circuit Voltages of 48 V_{DC} to 325 V_{DC}

TYPE	ACS 5/10	ACS 12/20	ACS 12/40	ACS 16/20	ACS 16/40	ACS 21/40	ACS 30/60	ACS 30/80	ACS 45/60	ACS 45/80	ACS 45/100
Rated current [A]	5	12	12	16	16	21	30	30	45	45	45
Peak current [A] ¹	10	20	40	20	40	40	60	80	60	80	100
Width [TE]	10	10	10	12	12	12	12	12	16	16	16

Multi-Axis Servo Amplifiers for Intermediate Circuit Voltages of up to 680 V_{DC}

TYP	ACS 5/10	ACS 8/20	ACS 8/40	ACS 12/20	ACS 12/40	ACS 15/60	ACS 15/80	ACS 22/60	ACS 22/80
Rated current [A]	5	8	8	12	12	15	15	22	22
Peak current [A] ¹	10	20	40	20	40	60	80	60	80
Width [TE]	10	10	10	12	12	12	12	16	16

servo amplifier e 12/03 Rev. 04

Single-Axis Servo Amplifiers for Intermediate Circuit Voltages of 48 V_{DC} to 325 V_{DC}

TYP	ACE 7/10	ACE 7/20	ACE 10/40	ACE 7/10	ACE 7/20	ACE 10/40
Intermediate circuit voltage	48 V _{DC} to 60 V _{DC}			150 V _{DC} to 325 V _{DC}		
Mains connection	1 or 3 phases, 34 V _{AC} to 43 V _{AC}			1 or 3 phases, 106 V _{AC} to 230 V _{AC}		
Rated current [A]	7	7	10	7	7	10
Peak current [A] ¹	10	20	40	10	20	40
Width [TE]	16	16	16	16	16	16

¹ The max. values are sustainable for a maximum of 5 seconds.
Rated and peak currents are sine crest values. Specifications apply for 20 °C and 10 kHz PWM of output stage and external ventilation.