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Motion update

Timo Anttila Ohjausjärjestelmäasiantuntija Beckhoff Automation Oy

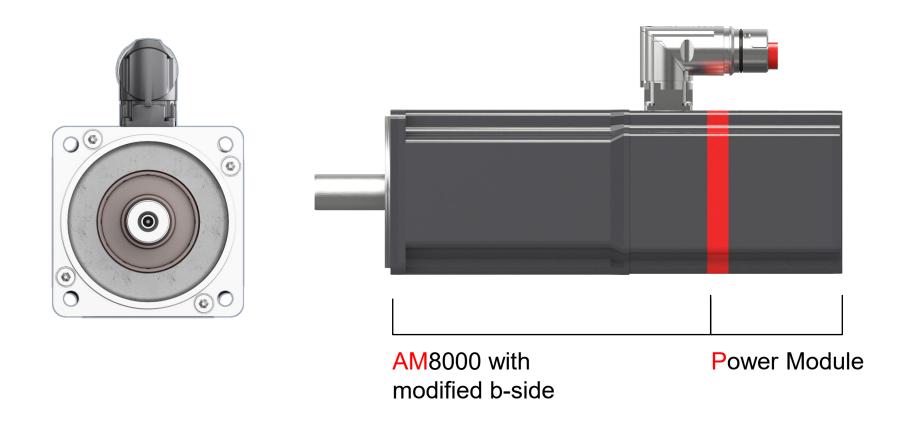


AMP8000 | Distributed Servo Drive system



AMP80xx | Distributed Servo Drive

Exceptionally compact and slender design



AMP8000 | New flange size F3 for distributed servo drive systems

- permanent magnet-excited three-phase synchronous motor with integrated servo drive
- optionally available with single-turn or multi-turn encoder
- one cable automation, EtherCAT P single cable solution
- flange size F3 (72 mm) and installation lengths 1 - 3 have a shaft diameter of b = 14 k6 and an exposed shaft end measuring d = 30 mm
- drive-integrated safety functions thanks to TwinSAFE



AMP80xx | Future expansion of product range



Flange size 3 0.5 - 3 Nm, 3000 - 9000 rpm



Flange size 4 1 - 5 Nm, 2500 - 7000 rpm

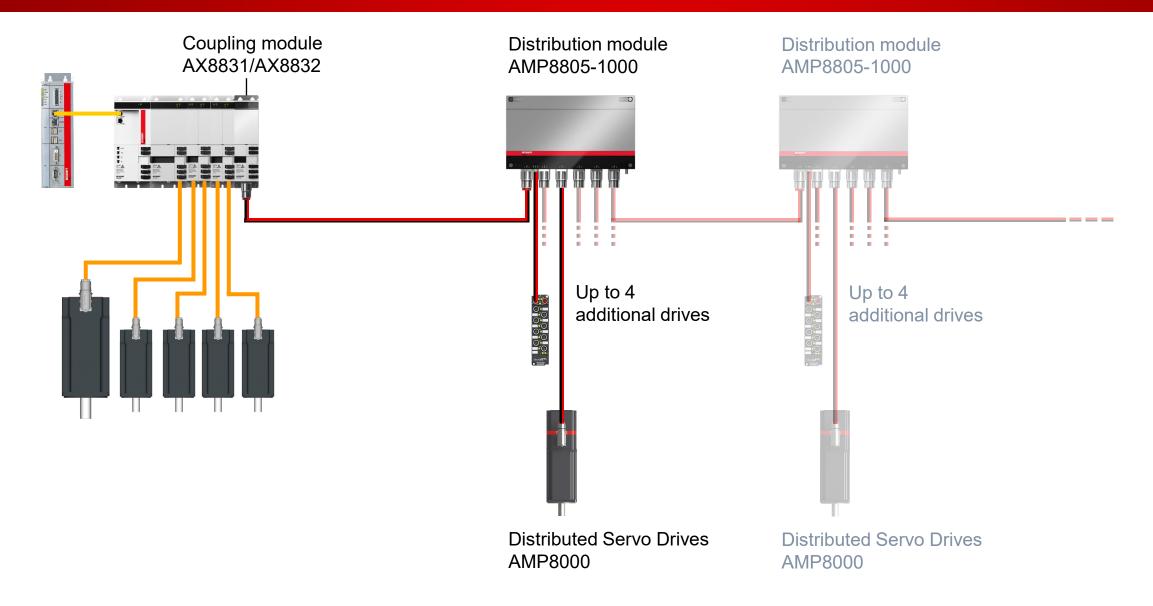


Flange size 5 2.5 - 10 Nm, 2000 - 8000 rpm



Flange size 6

AMP8xxx | System expansion with small and large axes





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NEW

- flange size 3 in three lengths
- peak torque: 2.88...6.48 Nm
- stall torque: 1.25...2.85 Nm
- rated speed: 800...1800 rpm
- motor options such as backlash-free holding brake or key are available
- STO as electronic option is also available
- DS402 profile available as option



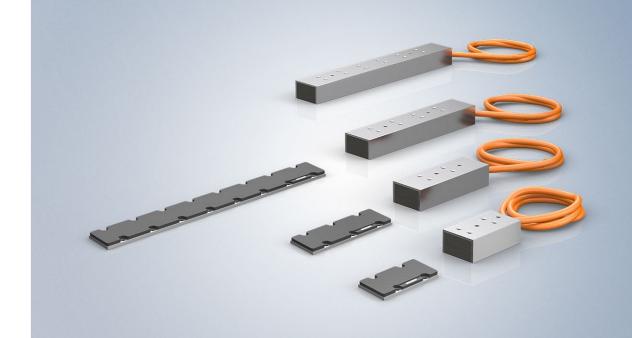
AL8100 | Linear servomotors for compact drive technology



NEW

AL8100 | Linear servomotors for compact drive technology

- linear servomotors for 48 V DC
- W2 construction type (50 mm)
 - AL812x primary parts
 - AL852x secondary parts
- optimally adapted to servo terminals
 - ELM721x
 - ELM722x
 - ELM7231



Introduction | AA3000 the Electric cylinder from Beckhoff



Introduction | **Technical data** – **AA30xx**



AA3023 | Electric cylinder 3125...6250 N (F_{max}), 0.5...1.0 m/s (v_{max})

Max. acceleration: 10 m/s², 20 m/s² Continuous force: 700 N/1400 N Max. movement: 150 mm

Learn more →



AA3033 | Electric cylinder 6250...12,500 N (F_{max}), 0.5...1.0 m/s (v_{max})

Max. acceleration: 10 m/s², 20 m/s² Continuous force: 1850 N/3700 N Max. movement: 200 mm

Learn more →



AA3053 | Electric cylinder 12,500...25,000 N (F_{max}), 0.5...1.0 m/s (v_{max})

Max. acceleration: 10 m/s², 20 m/s² Continuous force: 3200 N/6400 N Max. movement: 250 mm

Learn more →

AA3100 | Series release for 48 V DC version of the electric cylinder

- two installation sizes: AA3123 and AA3133
- matched to the ELM7xxx Terminals
- 650 ... 2,800 N constant force at 8 A → ELM7221 and ELM7222
- 2650...12,000 N peak force at 32 A → ELM7231
- 0.12...0.56 m/s max. speed
- Max travel distance 150-200 mm





AM8700 | New flange size R2 for servomotors with anodized housing

AM872x compact anodized aluminum motor in HD design

- For drive solutions for the tiniest installation spaces
- high protection class
- perfect for food and pharma applications
- 3 stack lengths with a standstill torque of 0.5 to 1.2 nm
- holding brake optional



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- easy commissioning and optimization of servo axes
- automatic determination of all significant parameters
- integrated into TwinCAT 3 Drive Manager 2
- Bode plot based, but 100x faster
- automatic interpretation of the Bode plot and generation of the control parameters and filters



Thank you! BECKHOFF



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TwinCAT° version 3