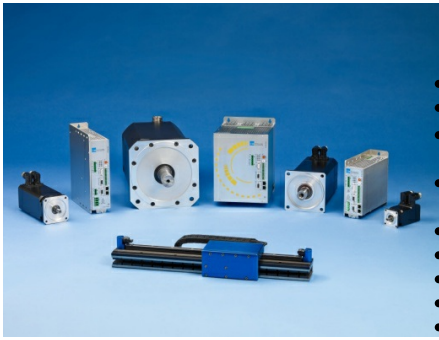


Servo drives new generation, TrioDrive D/CS and MidiDrive D/CS servo drives



ESR Pollmeier offers AC servo drive packages with brushless motors and full digital servo drives.

Features of the servo drives

- Compact drives for control cabinet installation
- For direct connection to 230 V_{AC} or 3 × 400/480 V three-phase mains
- High dynamics and control quality through signal processor for digital control of current and speed (controller cycle time 62,5 μs)
- Rapid acceleration, deceleration and reversing of the servo motor by momentary current increase to up to three times the rated current
- Position control loop integrated (micro-controller cycle time 1 ms)
- Technology functions (positioning control etc.) integrated
- Various operating modes, including interpolated position mode
- On request with integrated positioning control with 500 program command blocks
- Easy wiring
- Switching frequency 8 kHz or 16 kHz selectable for optimum dynamic characteristics and small motor power

loss

- Comfortable installation using a personal computer with the SPP Windows software
- Access to drive parameters via drive server (OPC)
- CiA 402 also available for other interfaces, e. g. EtherCAT, Profinet, Modbus, USB, and serial interface

Features of the servo motors

- AC motors up to 16 kW/70 Nm
- High dynamics
- Wide speed control range
- High power density through rotor with rare earth magnets
- Maintenance-free, since brushless
- Integrated resolver for sinusoidal commutation, optional sincos encoder or high-resolution incremental encoder
- Speed of up to 15 000 r.p.m. possible
- Easy connection of motor and position sensor using connectors or terminal boxes
- Holding brake optional
- Standard shaft end without groove, special version possible, e. g. with keyway
- Special motors, e.g. short motors, hollow-shaft design available
- Matching gear boxes
- Short delivery period
- Also available: direct drives (linear motors, torque motors)

Contact



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Features

NMT	NMT slave
Error control	Node guarding Life guarding Heartbeat producer Heartbeat consumer
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Software switch
CANopen bit-rates	10 kbit/s 20 kbit/s 50 kbit/s

	125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	None
RPDOs	4
TPDOs	4
PDO modes	Event-triggered Triggered by event-timer Remotely-requested Synchronous (cyclic) Synchronous (acyclic)
PDO linking	Yes
PDO mapping	Dynamic
SDO server	2
SDO client	No
Emergency producer	Yes
Emergency consumer	No
Sync producer	No
Sync counter	No
Time stamp	No
Additional functions	Self-starting device
CANopen version	CiA 301 V 3.0 CiA 301 V 4.0.2
Frameworks	CiA 302
Device profiles	CiA 402: CANopen drives and motion control device profile
Certified	No
Availability	In stock