

# Impressive results for demanding tasks.



Our Servo Drives 9400 will revolutionise the way you handle your systems and processes. Experience the highlights of the Servo Drives 9400 – modularity, assembly concept and integrable security in one compact device.

Our Single Drives (single-axis drives) combine mains supply, DC bus and inverter in a single unit. The filter elements and the brake chopper are integrated.

Our Multi Drives (multi-axis drives) are particularly suitable for centralised, compact multi-axis installations. The energy exchange via the DC bus reduces the power requirement on the mains side.

## Features

- Sophisticated assembly concept for easy installation and assembly of the units.
- Scalable functionality thanks to three different pluggable memory modules – providing only the functions that are actually needed.
- Integrated safety system satisfies the requirements according to IEC 61508 Sil3 and has been tested by the German TÜV authority.
- CiA 402 device profile – the centrally controlled motion control architecture according to IEC 61800-7-2.
- Optimally adjusted synchronous and asynchronous servo motors perform a variety of drive tasks perfectly.

# The machine solution that has it all

**Right from the start – The versatile standard equipment alone offers you a comprehensive range of options for handling your tasks.**

## Onboard

- System bus  
Ready for communication straight out of the box thanks to the integrated CANopen system bus interface.
- Conventional I/O  
A wide range of analogue and digital inputs and outputs meets the requirements of a broad range of applications.
- Diagnostic LEDs  
The six built-in diagnostic LEDs reveal the drive's status at a glance.
- Local diagnostics  
Diagnostics can be performed on a PC connected by USB adapter or a keypad with plain text display.
- Feedback systems  
The resolver input, standard on Lenze drives, is supplemented by a versatile multi-encoder interface.

## Communication without limits

Thanks to the drive's modularity, communication is not restricted in any way. Pluggable modules guarantee adjustment to the drive's environment in all situations (e.g. fieldbus systems) and allow future standards to be integrated.



PROFIBUS



PROFINET



EtherCAT

- EtherCAT
- PROFINET
- PROFIBUS
- EtherNet/IP
- CANopen
- Digital frequency

## Technical data

<b>Performance data</b>	
Single Drives Multi Drives	0.37 to 240 kW / 1.5 to 460 A 0.37 to 30 kW / 1.5 to 59 A
<b>Overload behaviour</b>	
	Up to 4 x IN for 0.5 s 150% for 120 s
<b>Technology functions</b>	
	Speed actuating drive Torque actuating drive Electronic gearbox Synchronism with mark synchronisation Table positioning Positioning sequence control CiA 402  Individual extension options thanks to free function block interconnection
<b>Operating modes according to CiA 02</b>	
	Homing mode Interpolated position mode Cyclic synchronous position (CSP) Cyclic synchronous velocity (CSV) Cyclic synchronous torque (CST)