SeGMo-System

High degree of planning certainty for worldwide export

With our plug-and-play solution, you can automate every feed axis. Our UL-certified system components offer you the following advantages:

- **SeGMo-Positioning**
  Fully automatic positioning drives reduce the set-up times and costs during every format change
- **SeGMo-Box**
  Decentral control units reduce the load on your network architecture
- **SeGMo-Connect**
  Pre-assembled hybrid cables minimise the cabling effort
- **SeGMo-Lib**
  Block library for the efficient integration of components into the PLC supports your Industry 4.0 measures with active condition monitoring
- **SeGMo-Support Tool**
  Preconfigure and test the positioning system straightforwardly using the recommended software
- **Recipe software** including support
  Modernise your machines and set them up quickly without mistakes using saved formats

LENORD +BAUER

Finding solutions.
Founding trust.

SeGMo-Positioning

Positioning drives for feed axes with Aluminium or stainless steel housing

GEL 6113

5 Nm
7 Nm
10 Nm

GEL 6110

1 Nm
2 Nm
3 Nm
5 Nm
7 Nm
10 Nm
15 Nm

GEL 6109

2 Nm
5 Nm

Bearing concept

The torque support equalises the spindle play in the axial and radial direction

- Captive bearing bush
- Universal design with 2 degrees of freedom
- High torques absorbed with low reaction forces

SeGMo-Motion

Drives for cyclic operation

GEL 6108

0,4 Nm

SeGMo-Connect

Easy cabeling

Cable outlet with M23 coupling

Cable outlet with M17 coupling

M17 connector

Cable outlet with connection terminals

Cable outlet

M23 connector with connection terminal

M17 connector with connection terminal

M17 connector with connection terminal

Connection terminals (single parts)

SeGMo-Box

Decentral control system as compact device for 5 positioning drives or modular control unit for up to 17 positioning drives

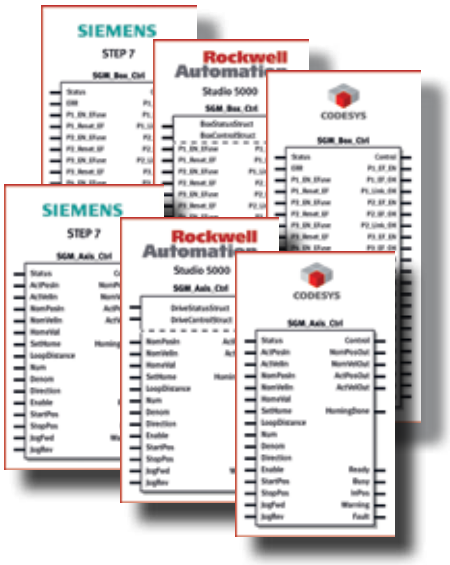
CANopen EtherNet/IP PROFIBUS sercos the automation bus EtherCAT PROFINET ETHERNET POWERLINK

SeGMo-Lib

Integration without programming

Comprehensive function block library for:

- TIA-Portal / Step 7 / SCOUT
- Studio 5000 / RSLogix
- Automation Studio
- TwinCAT
- CODESYS 3.x / SoMachine V4

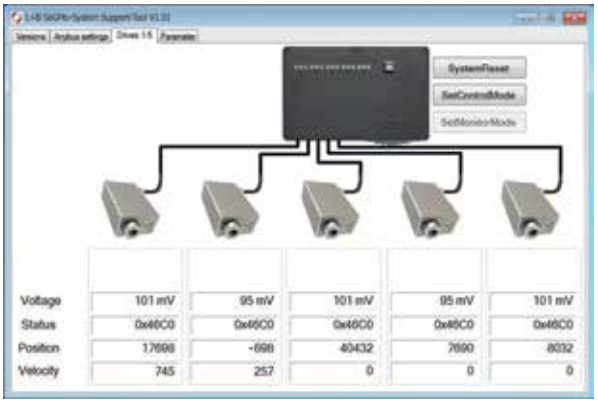


SeGMo-Support Tool

Our recommendation:
Configure and set up the complete SeGMo-System on the PC

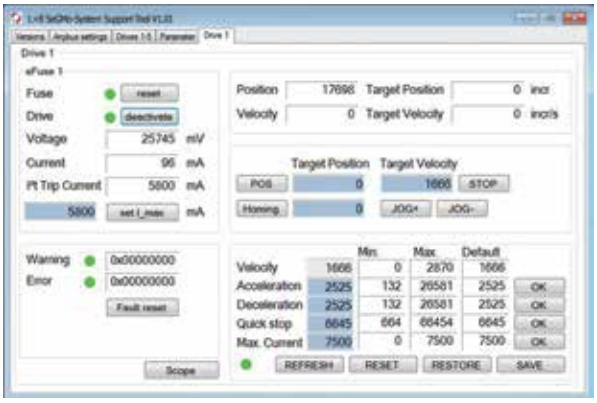
What do you need to have?

- PC with free USB port, current version of .Net framework The application can be used without extensive installation
- Connection to USB interface of the SeGMo-Box
- Graphic user interface with tool tips for ease of operation



Commissioning and setting up

- Functions of the PowerDRIVEs are tested independently of the PLC connection and complex program routines
- Manual movement of PowerDRIVEs
- Interface preparation for PLC connection (Note-ID / address of the DHCP server, etc.)



Data exchange with the PC

- Component parameters are imported and exported independently of the interface to the PLC
- Parameters are stored in the drives
- Parameter sets are stored on the PC, e.g. for identical machines

In this way machines with identical operating parameters can be configured quickly and reliably.

Data exchange with the PLC

- Parameter setting for the SeGMo-System directly in the PLC programming environment
- Simple parameter control: motor current, speed, warnings, etc.
- Active condition monitoring supports your Industry 4.0 activities

All steps for setting up the axis can be executed directly in your machine's PLC or conveniently on the PC.

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