

Data Sheet CODESYS SoftMotion Light SL

CODESYS SoftMotion Light allows to command CiA 402 compatible drives for single axis movements (not synchronized).

Product description

CODESYS SoftMotion Light allows to command CiA 402 compatible drives for single axis movements (not synchronized).

In contrast to CODESYS SoftMotion and CODESYS SoftMotion CNC+Robotics, the calculation of the axis movements is not done within the controller. With CODESYS SoftMotion Light movements of the drive are just commanded and supervised (status) by the PLC and executed by the drive. The trajectory calculation is done in the drive.

CODESYS SoftMotion Light is suitable for applications with multiple axes for single axes movements and for controller tasks requiring a low bus and computing load (CPU).

The software components of CODESYS SoftMotion Light (configurator, libraries, device descriptions and online help) are part of the standard setup of the CODESYS Development System.

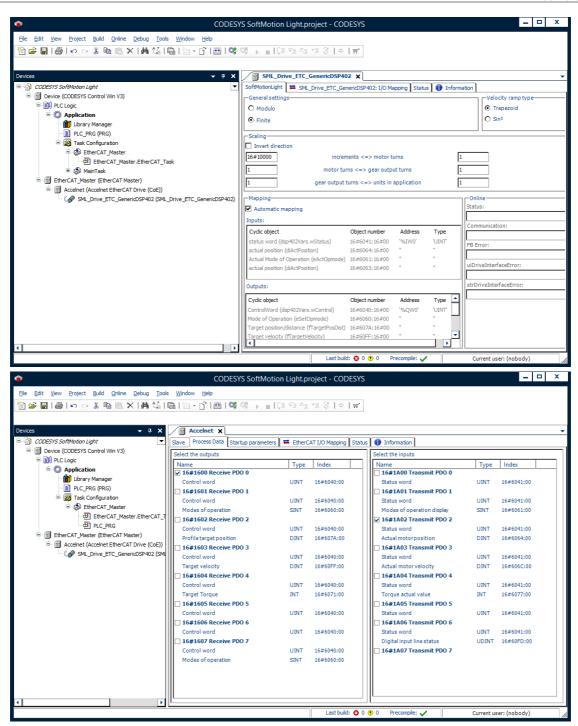
Available function blocks for single axis movements according to PLCopen:

- MC_MoveAbsolute / MC_MoveRelative
- MC MoveVelocity
- MC Stop / MC Halt
- MC_Home

Other POUs and product components:

- MC Power / MC Reset / MC ReadStatus
- SML_ReinitAxis / SML_ChangeAxisConfig
- Visualization templates (analogue to SoftMotion)
- Commissioning assistance (SML_StartupDrive)

Configuration and commissioning of the drives is described in detail in CODESYS online help (chapter "SoftMotionLight").



General information

Manufacturer:

3S-Smart Software Solutions GmbH Memminger Strasse 151 87439 Kempten Germany

Support:

https://support.codesys.com

Item:

CODESYS SoftMotion Light SL

Item number: 2305000002

Sales:

CODESYS Store

https://store.codesys.com

Included in delivery:

- Package for the CODESYS Development System including license agreement and online help
- · License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.9.50 or higher
Runtime System	CODESYS Control Version 3.5.5.0 or higher
Supported Platforms/ Devices	Note: Use the project "Device Reader" to find out the supported features of your device. "Device Reader" is available for free in the CODESYS Store.
Additional Requirements	 WIBU Codemeter Support CiA 402 compatible drive with CANopen or EtherCAT Compatibility can be checked with the test project SML_CompatibilityCheck_DS402.project
Restrictions	Synchronized movements of multiple axes are not supported.
Licensing	License activation optional on CODESYS Key or Soft Key (Soft Key: free of charge component of CODESYS Controls)
Required Accessories	Optional: CODESYS Key

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.