

CODESYS SoftMotion Light

CODESYS SoftMotion Light extends the functional range of CODESYS Control SL systems from pure logic to motion control.

Product description

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

In contrast to SoftMotion Axes and SoftMotion Axis Groups/CNC Interpolators, the calculation of the axis movements is not done within the controller. With 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.

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).

Scope of the SoftMotion Light library

- MC_MoveAbsolute / MC_MoveRelative
- MC_MoveVelocity
- MC_Stop / MC_Halt
- MC_Home
- 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").

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General information

Supplier:

CODESYS GmbH Memminger Strasse 151 87439 Kempten Germany

Support:

Technical support is not included with this product. To receive technical support, please purchase a CODESYS Support Ticket.

https://support.codesys.com

Item:

CODESYS SoftMotion Light

Item number:

230500002

Sales/Source of supply:

CODESYS Store https://store.codesys.com

Included in delivery:

- CODESYS package with SoftMotion functionality
- License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.19.10 or higher
Runtime System	CODESYS Control Version 3.5.19.0 or higher
Supported Platforms/ Devices	 All supported by CODESYS: Real-time capable operating system platforms CPU platforms with available FPU (Floating Point Unit) Devices with integrated fieldbus (EtherCAT, CAN/CANopen)
Additional Requirements	WIBU Codemeter Support SoftMotion Light works with CiA 402 compatible drives with CANopen or EtherCAT. Compatibility can be checked with the test project <i>SML_CompatibilityCheck_DS402.project</i>
Restrictions	-

Licensing



Required Accessories	CODESYS Key, the license can be used on any other controller. Optional: CODESYS Key
	Licenses are activated on a software-based license container (soft container), which is permanently connected to the controller. Alternatively, the license can be stored on a CODESYS Key (USB dongle). By replugging the
	Single device license: The license can be used on the target device/PLC on which the CODESYS runtime system is installed.

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

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