

CM1-T Library

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Introduction

The CM1-T Library is an add-on library that helps the user easily deploy, manage and run a CM1-T integrated motor. The CM1-T Library can be used with development environments based on the IEC 61131-3 standard. These IDEs will include Codesys™, Schneider EcoStruxure Machine Expert™, WAGO's e!COCKPIT™, Beckhoff's TwinCAT™ and more.

The CM1-T Library can be used with the following protocols

- EtherNet/IP
- Modbus/TCP
- TCP/IP
- UDP

The library conforms to the PLCopen Motion Control specification and implements the following function blocks:

Administration	Motion	Information	Homing	Digital I/O
• MC_Power • MC_Reset • MC_Stop	• MC_MoveAbsolute • MC_MoveRelative • MC_MoveAdditive • MC_MoveVelocity • MC_Halt	• MC_ReadActualPosition • MC_ReadActualVelocity • MC_ReadActualTorque • MC_ReadInfo • MC_ReadAxisError • MC_ReadParameter • MC_WriteParameter	• MC_Home • MC_SetPosition	• MC_ReadDigitalInput • MC_ReadDigitalOutput • MC_WriteDigitalOutput

Appendix

ErrorID

The ErrorID available on most function blocks has the following values

Value	Description
0	No error
1	Invalid mode of operation
2	Invalid input parameter