

## PLCopen library History For Allen-Bradley PLC

Version	Date	History
2.0.14	27.01.2025	- CIP Sync support added.
2.0.13	16.07.2024	- Fixed Error 77 at startup in csp mode with absolute encoder Axis. JS_MC_Power waits until the MotionGroupTask was executed at least once.
2.0.12	06.06.2024	- JS_MC_MoveCyclicPositionRotary: CurrentPositionRotary was calculated incorrectly when axis was referenced with EnforceReferenceDrive enabled. - JS_MC_Reference: New reference mode "-1" which uses the configured reference method from Webmotion.
2.0.11	13.10.2023	- Added new AOI-Block JS_MC_MoveCyclicPositionRotary.
2.0.10	25.06.2021	- JS_MC_MoveCyclicPosition is internally deactivated when axis is not in the right state to move, for example during reference drive or a force calibration. - JS_MC_ForceCalibration checks after the start of the force calibration drive, that the psr bit bCoggingRefDrivAct is set instead of just waiting until the axis stopped moving.
2.0.9	18.06.2021	- Internal Test Version
2.0.8	11.12.2020	- Added SetAttribute and GetAttribute AOI - Improvements to demo application: better error handling, added ForceMonitoring demo for Forceteq® Pro.
2.0.7	10.07.2020	- Added Signateq® function blocks to measure Force and limit Force.
2.0.6	24.06.2020	- Cyclic synchronous motion is now possible. This allows driving with a virtual axis. See Manual and demo applications.
2.0.5	03.03.2020	- Added prescan functions for each AOI which initialises the block. This allows a restart without resetting the whole PLC memory.
2.0.4	23.01.2020	- Rotax RxHq with absolute encoder system configured does not need a reference drive. - Rotax RxVp uses shortest path as default reference method. This was previously not supported by the Busmodule firmware
2.0.3	11.12.2019	- Force Calibration: added interactiveFcDisable input to AOI block ForceCalibration.
2.0.1	14.10.2019	- Messages in MC_Reference and MC_ForceCalib were not configured correctly by default. - Rotax RxVp: Default reference method set to CW_CCW because shortest path is not supported yet.

2.0.0	09.10.2019	- New concept to save memory on the PLC. Unused AOIs can be deleted from the project.
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