Improvements in FW-Version	Date	Classification: E: Error Correction NF: New Function	Description
1.8.0.14	29.10.2019	E	Fixed: A vertical axis could sag a minimal distance during enable.
1.8.0.9	08.07.2019	E	Fixed: Endless operation in velocity mode with stroke limit not possible
1.8.0.9	08.07.2019	E	Fixed: Timing problem in conjunction with FHPP-Bit "Delete remaining path"
1.8.0.9	08.07.2019	E	Fixed: A vertical axis will sag, if STO is requested in the stop ramp
1.8.0.1	07.06.2018	E	Sporadic error fixed: If "STO" was activated the CMMO would not react to "Enable" afterwards.
1.8.0.1	07.06.2018	E	Fixed: Bug in path calculation: If a new path was started at a certain point during a stop ramp, an incorrect path could be calculated.
1.8.0.1	07.06.2018	E	Fixed: Jogging via FHHP after a "Stop" decelerates with "Quick Stop" ramp.
1.8.0.1	07.06.2018	E	Fixed: An Error could be "RESET" via FHPP in advance.
1.8.0.1	07.06.2018	E	Fixed: Homing method "Block" does not work reliably when "Inverse Rotation Polarity" is activated.
1.8.0.1	07.06.2018	E	Fixed: Moving the drive by hand after simultaneous removal of "Halt" and "Enable" causes the drive to move to the old position after a new "Enable".
1.8.0.1	07.06.2018	E	Fixed: If "Start" was given twice in direct mode and then "Halt" was removed, the drive did not start again when a new "Start" was set.
1.8.0.1	07.06.2018	E	Fixed: It occurred sporadically that the drive moves on after removal of the "JOG" bit when jogging via FHPP with deactivated software limits.
1.8.0.1	07.06.2018		The threshold for the error 0x18 "logic voltage too low" was lowered to 16 volts.
1.6.0.1	25.02.2017	E	Fixed: Freezing of the CMMO when an error occurred with "Output stage on".
1.6.0.1	25.02.2017	E	Fixed: Following error during "Jog" did not stop the movement.
1.6.0.1	25.02.2017	E	Fixed: Small bug in path calculation
1.6.0.1	25.02.2017	E	Fixed: Starting Homing during an active set with start condition "delay" could lead to a wrong target position.
1.6.0.1	25.02.2017	E	Fixed: Starting Homing "Current Position with Index" with option "Drive to axis zero point after homing" did sometimes not complete.
1.6.0.1	25.02.2017	E	Fixed: Digital output "Collect Error" was always "Low".
1.6.0.1	25.02.2017	E	Bug fixed introduced with V1.5.0.14: The OPM status of SCON will follow the OPM status of CCON immediately if no job is active (MC is set). (Same behaviour as CMMP, CMMS)
1.6.0.1	25.02.2017	E	Fixed: Wrong status of "Motion Complete (Setpoint)".
1.6.0.1	25.02.2017	E	Fixed: Return value of PNU 124 (Festo order number) was wrong.
1.6.0.1	25.02.2017	E	Fixed: Wrong icons and type displayed in the diagnosis on the Web page.

1.6.0.1	25.02.2017	E	Several smaller bug-fixes.
1.5.0.14	28.09.2016		FHPP response time improved (approx. 4 times faster).
1.5.0.14	28.09.2016	E	Positioning relative to nominal position is functional again.
1.5.0.14	28.09.2016	E	"Save" of the Parameters in "Direct Mode" via Webbrowser is now functional.
1.5.0.14	28.09.2016	E	Fixed: FHPP in "Direct Mode" (OPM 1): The return value of SDIR.COM1 and SDIR.COM2 was sometimes wrong.
1.5.0.14	28.09.2016	E	A problem, which could lead to a "System Reset" was fixed.
1.5.0.4	01.07.2016	E	Fixed: CMMO starts randomly in "test mode" ("test1." is displayed).
1.5.0.4	01.07.2016	NF	New Homing Method "Current Position with Index".
1.5.0.4	01.07.2016	NF	The threshold of the message "Axis in Motion" is configurable.

1.5.0.4	01.07.2016	NF	PNU 1302 and 1303 for the configuration of the Homing Switch implemented.
			PNU 1302 - Selection of the Digital Input for the Homing Switch:
			Value Description
			  0 No Homing Switch
			  1 Homing Switch present (DIN0)
			  2 not used with CMMO (DIN1)
			
			PNU 1303 - Type of Homing Switch:
			Value Description
			  0 NC - Normally Closed
			  1 NO - Normally Open
			
			- enable Homing Switch: write 1 to PNU 1302 and then choose the type with PNU 1303.
			- disable Homing Switch: write 0 to PNU 1302.

1.5.0.4	01.07.2016	E	Fixed: Error "Softwarelimit" when switching from a force record to a positioning record.
1.5.0.4	01.07.2016	E	Fixed: The status of the "Homing Switch" could be wrong when using boucing switches.
1.5.0.4	01.07.2016	E	Fixed: A "system reset" could occur when opening and closing a Modbus connection several thousand times.
1.5.0.4	01.07.2016	E	Fixed: Homing failed if Homing Switch was already active when starting homing.
1.5.0.4	01.07.2016	E	Fixed: If a Modbus or Web connection was not closed correctly, it could happen that a new connection could not be established anymore or a "system reset" could occur.
1.5.0.4	01.07.2016	E	Several smaller bug-fixes
1.4.1.0	30.11.2015	E	A problem with "Homing" in "Open-loop" was corrected.
1.4.1.0	30.11.2015	E	Fixed: In the tab "Direct Mode" in the Web-Browser, some configurations were not accepted.
1.4.1.0	30.11.2015	E	Fixed: When "Inverse Rotation Polarity" is selected and the record type is "Position relative" the motor will drive in the wrong direction, when passing the maximum 32-Bit-Position (when position will overflow).
1.4.1.0	30.11.2015	E	Fixed: When the "Start" signal coincide with "MC" it could happen, that the CMMO would not respond anymore.
1.4.1.0	30.11.2015	E	Better internal memory management

1.4.1.0	30.11.2015	E	Several smaller bug-fixes
1.4.1.0	30.11.2015		The default value for relative positioning is "Positioning relative to actual position"