

Appendix B 3. Overview of the Function Blocks

Single Axis Function Blocks	Supported as V1.0/ V1.1/ V2.0 or Not	Comments (<= 48 char.)
MC_Power	V 2.0	
MC_Home	V 2.0	
MC_Stop	V 2.0	
MC_Halt	V 2.0	
MC_MoveAbsolute	V 2.0	
MC_MoveRelative	V 2.0	
MC_MoveAdditive	V 2.0	
MC_MoveSuperimposed	V 2.0	
MC_HaltSuperimposed	V 2.0	
MC_MoveVelocity	V 2.0	
MC_MoveContinuousAbsolute	V 2.0	
MC_MoveContinuousRelative	V 2.0	
MC_TorqueControl	No	
MC_PositionProfile	V 2.0	
MC_VelocityProfile	V 2.0	
MC_AccelerationProfile	V 2.0	
MC_SetPosition	V 2.0	
MC_SetOverride	V 2.0	
MC_ReadParameter & MC_ReadBoolParameter	V 2.0	
MC_WriteParameter & MC_WriteBoolParameter	V 2.0	
MC_ReadDigitalInput	No	Supplier specific implementation, PLC process image
MC_ReadDigitalOutput	No	Supplier specific implementation, PLC process image
MC_WriteDigitalOutput	No	Supplier specific implementation, PLC process image
MC_ReadActualPosition	V 2.0	
MC_ReadActualVelocity	V 2.0	
MC_ReadActualTorque	No	Supplier specific implementation, PLC process image
MC_ReadStatus	V 2.0	
MC_ReadMotionState	No	
MC_ReadAxisInfo	No	
MC_ReadAxisError	No	Supplier specific implementation, PLC process image
MC_Reset	V 2.0	
MC_DigitalCamSwitch	No	Supplier specific implementation,different library
MC_TouchProbe	No	Supplier specific implementation, different library
MC_AbortTrigger	No	Supplier specific implementation, different library
Multi-Axis Function Blocks	Supported as V1.0/ V1.1/ V2.0 or Not	Comments (<= 48 char.)
MC_CamTableSelect	V 2.0	
MC_CamIn	V 2.0	
MC_CamOut	V 2.0	
MC_GearIn	V 2.0	
MC_GearOut	V 2.0	
MC_GearInPos	V 2.0	
MC_PhasingAbsolute	V 2.0	

MC_PhasingRelative	V 2.0	
MC_CombineAxes	V 2.0	

Table 3: Short overview of the Function Blocks