BE_KOLLMORGEN_s300s700_CAN

General information

Product Id: 2112000002	**Supplier**
Version: V1.0.0.0	BEST Engineering Scandinavia AB Sabelgatan 4 SE 25467, HELSINGBORG SWEDEN
Short description Single axis motion function blocks for Kollmorgen s300 & s700	Support: Phone: +46-42-456 45 00 Email: info@best-engineering.net

System requirements and restrictions

Programming system	CODESYS Development System Version 3.5.0.0 or higher
Runtime System	CODESYS Control Version 3.5.0.0
Supported Operating Systems	All
Additional Requirements	CANopen interface
Restrictions	

Price:

150€/License (Single License)

Accessory:

Dongle without memory:	45,- Euro plus VAT
Dongle, small without memory:	45,- Euro plus VAT

Product description

Single Axis motion function block's for Kollmorgen s300/s700 drive.

Functional description

PLCopen part 1.

Administrative:

- MC_Power
- MC_ReadStatus
- MC_ReadAxisError
- MC_ReadParameter
- MC_WriteParameter
- MC_ReadActualPosition
- MC_Reset

Motion:

- MC_MoveAbsolute
- MC_MoveRelative
- MC_MoveVelocity
- MC_Home
- MC_Stop

PLCopen part 2.

Administrative:

- MC_TouchProbe
- MC_AbortTrigger
- MC_SetPosition
- MC_ReadActualVelocity
- MC_ReadActualTorque

Motion:

- MC_TorqueControl

Manufacturer specific

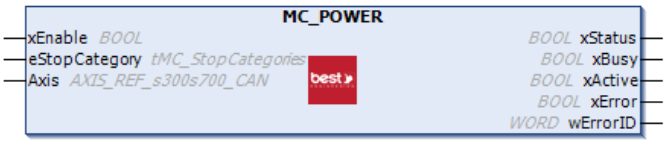
- MC_Jogg
- MC_ReadError_SafetyCard
- MC_ReadStatus_SafetyCard
- MC_ReadStatus_SafetyCard_IO
- RPM_TO_VEL
- VEL_TO_RPM

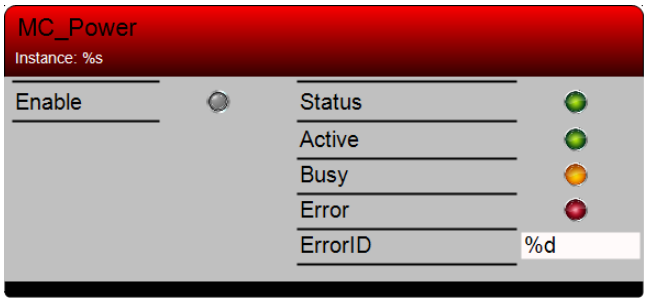
History of versions:

V1.0.0.0: First Release

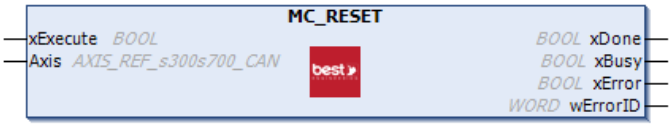
Screenshots:

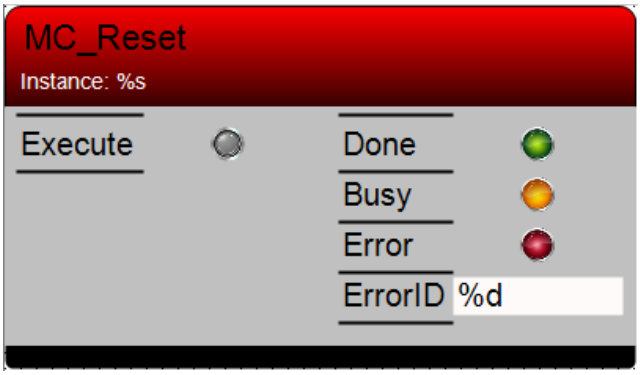
MC_Power



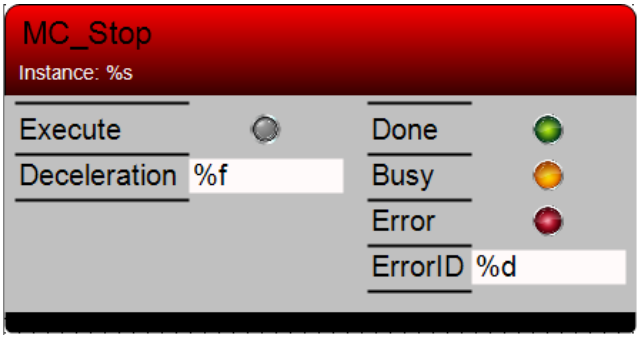


MC_Reset

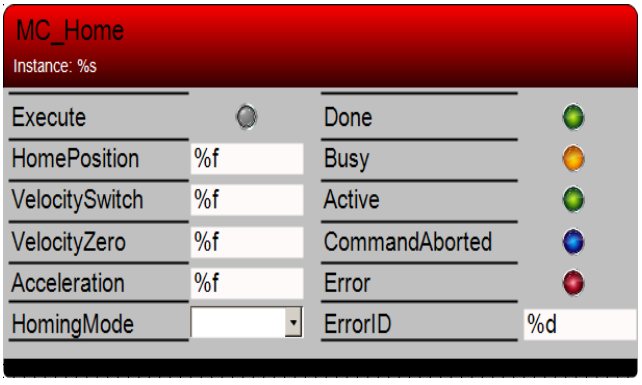




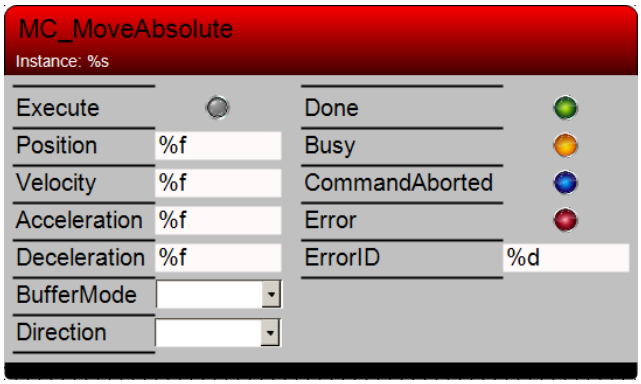
MC_Stop



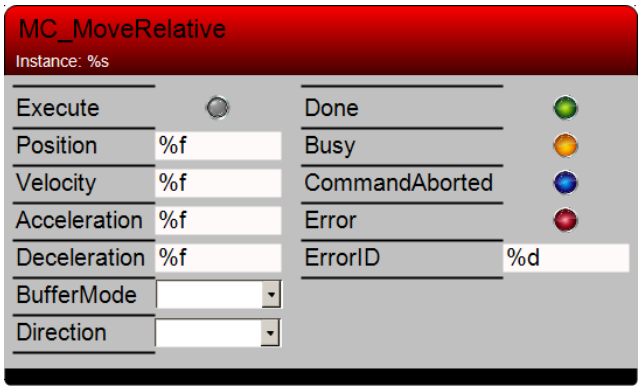
MC_Home



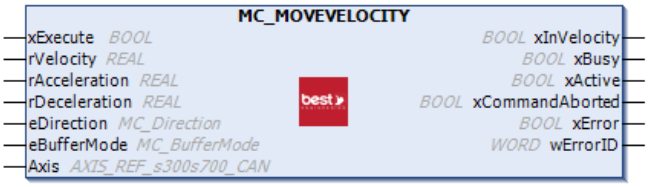
MC_MoveAbsolute

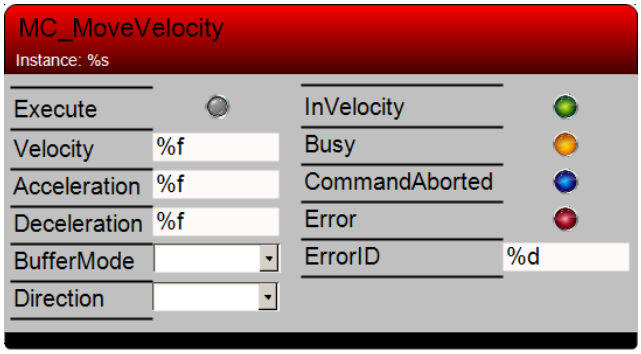


MC_MoveRelative

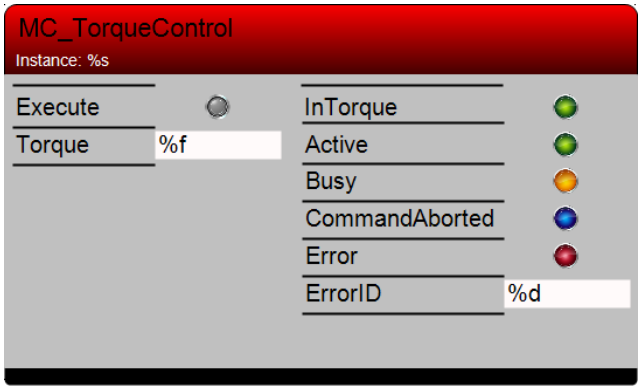


MC_MoveVelocity

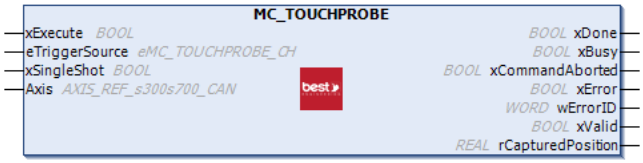


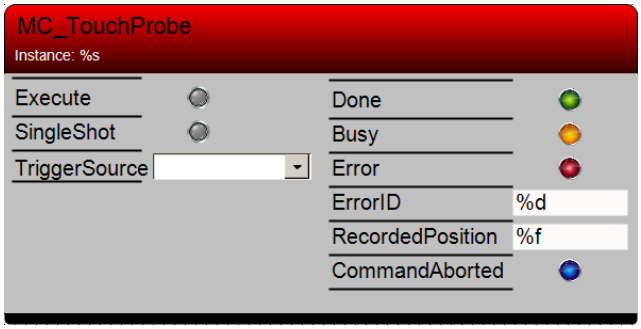


MC_TorqueControl

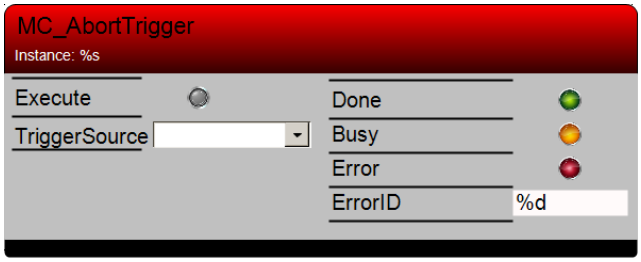


MC_TouchProbe

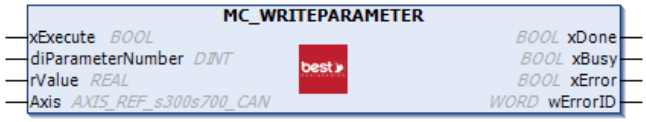


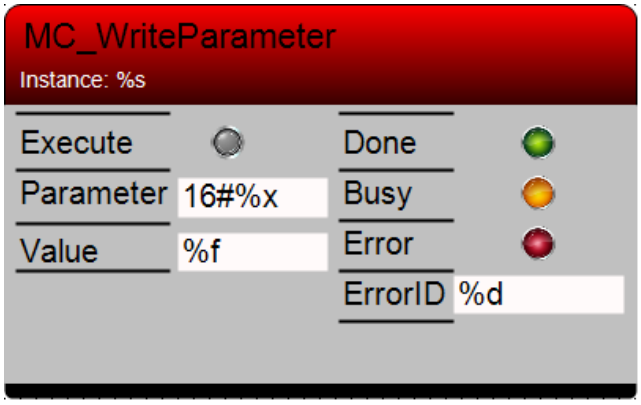


MC_AbortTrigger

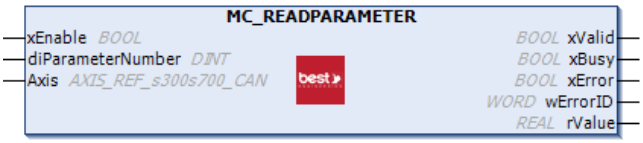


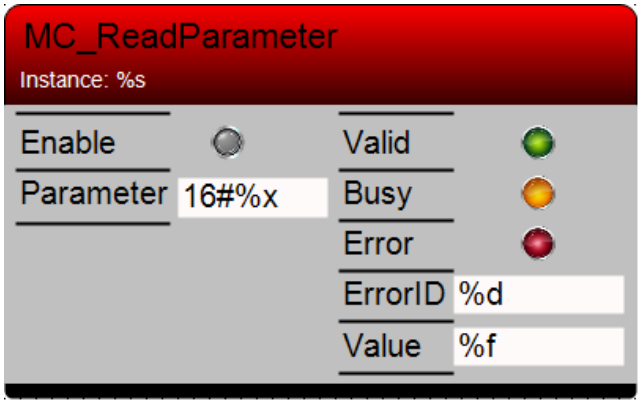
MC_WriteParameter



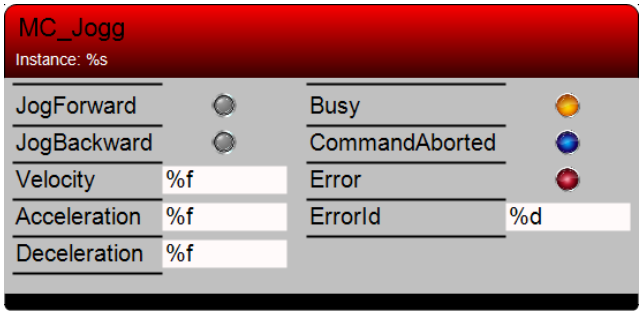


MC_ReadParameter

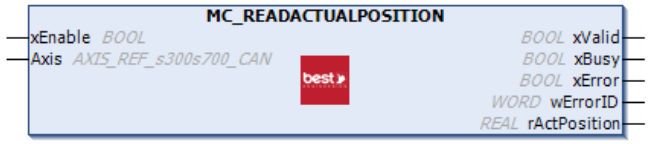


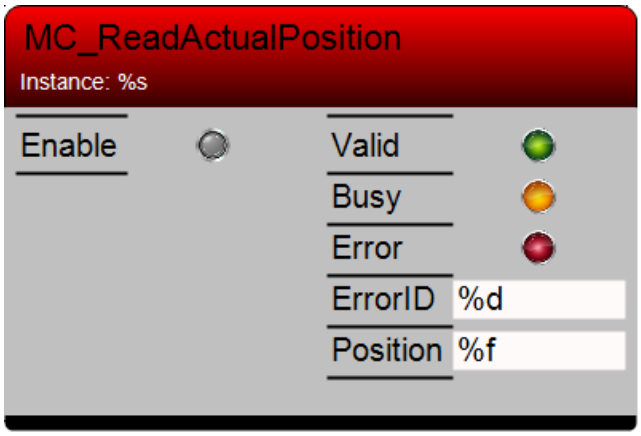


MC_Jogg

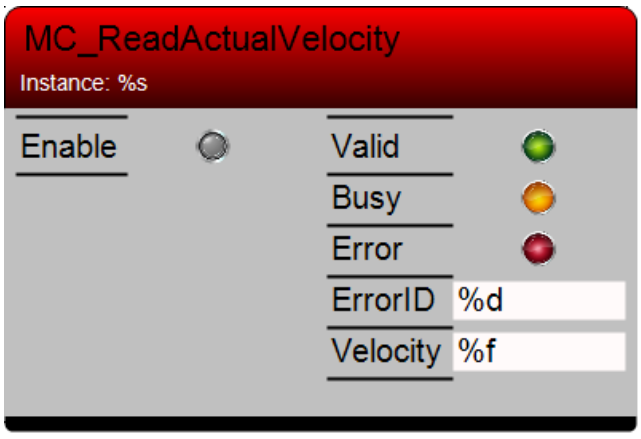


MC_ReadActualPosition

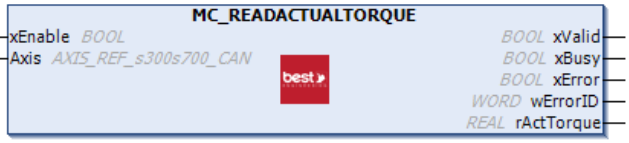


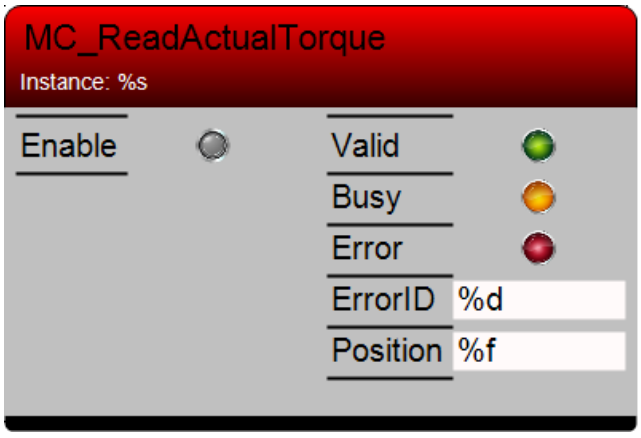


MC_ReadActualVelocity

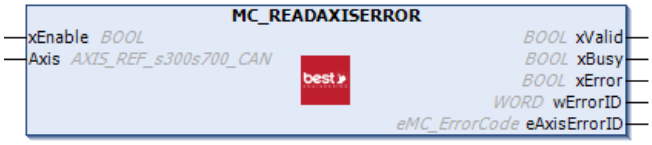


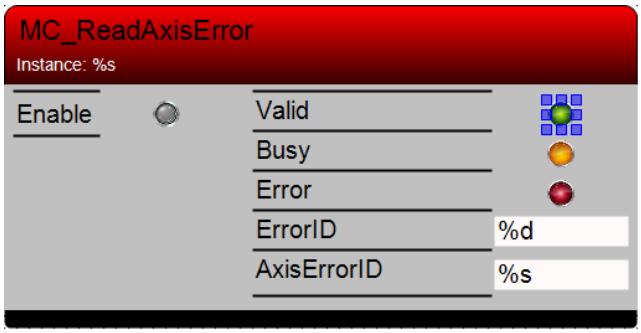
MC_ReadActualTorque



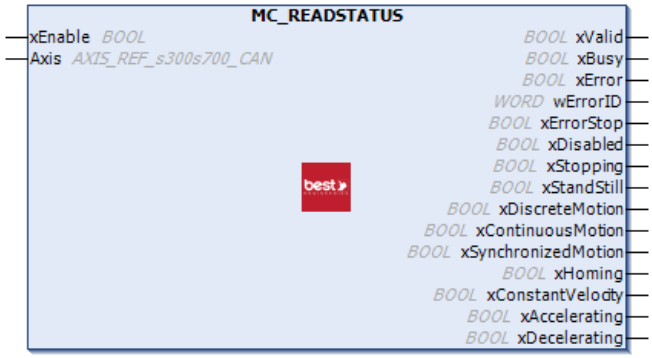


MC_ReadAxisError

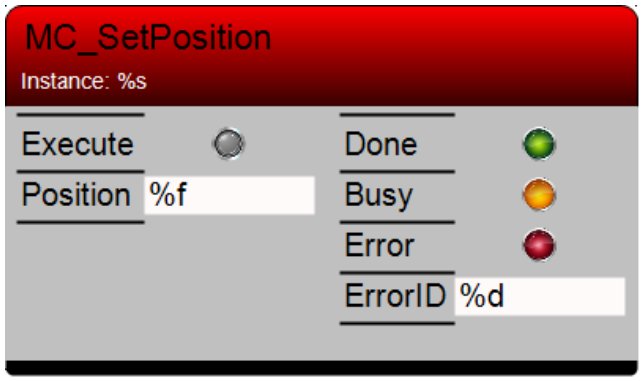




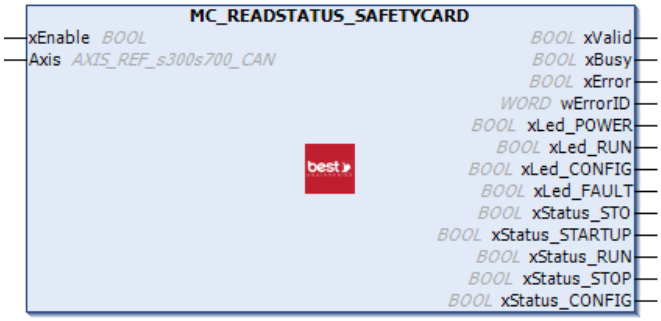
MC_ReadStatus

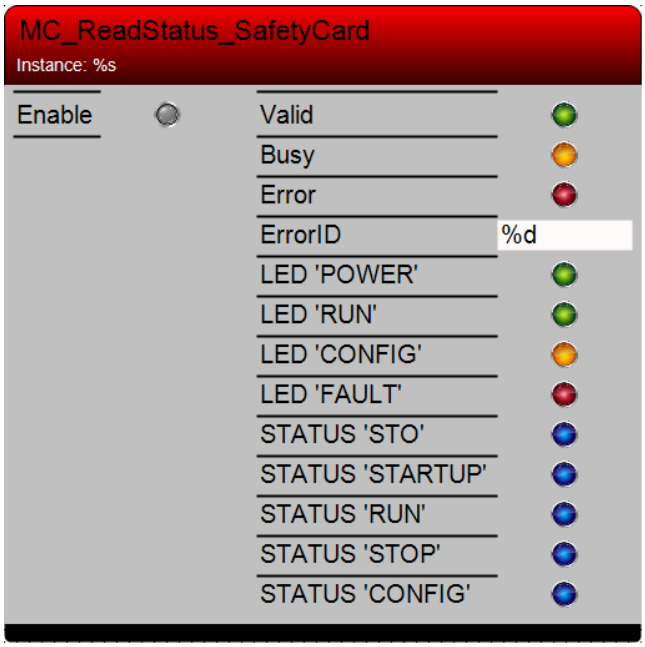


MC_SetPosition

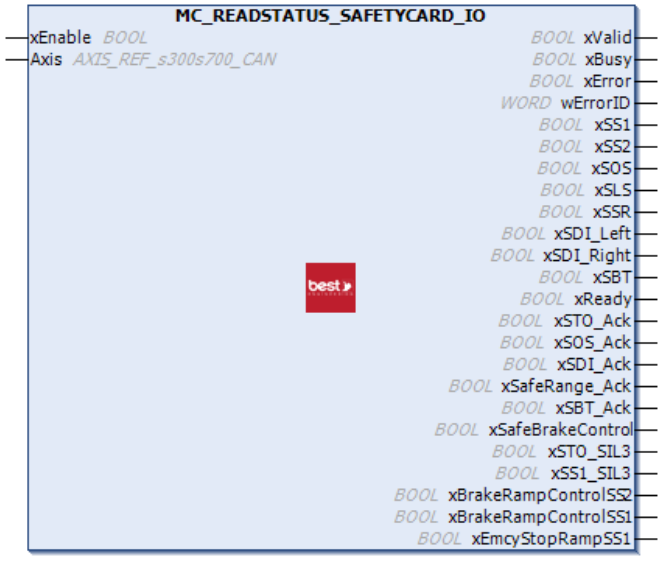


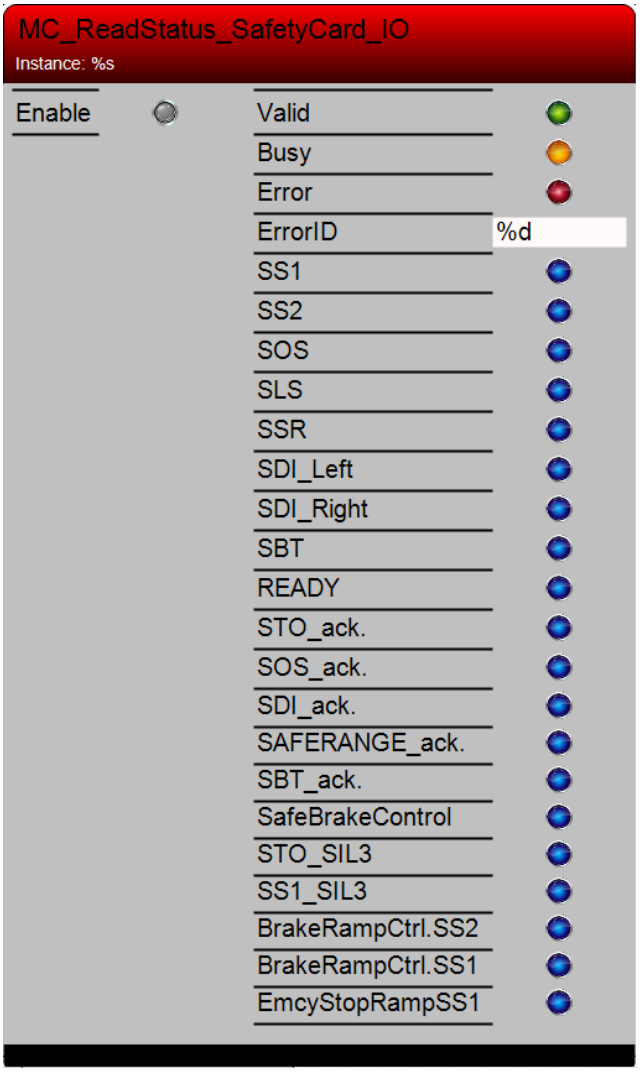
MC_ReadStatus_SafetyCard





MC_ReadStatus_SafetyCard_IO

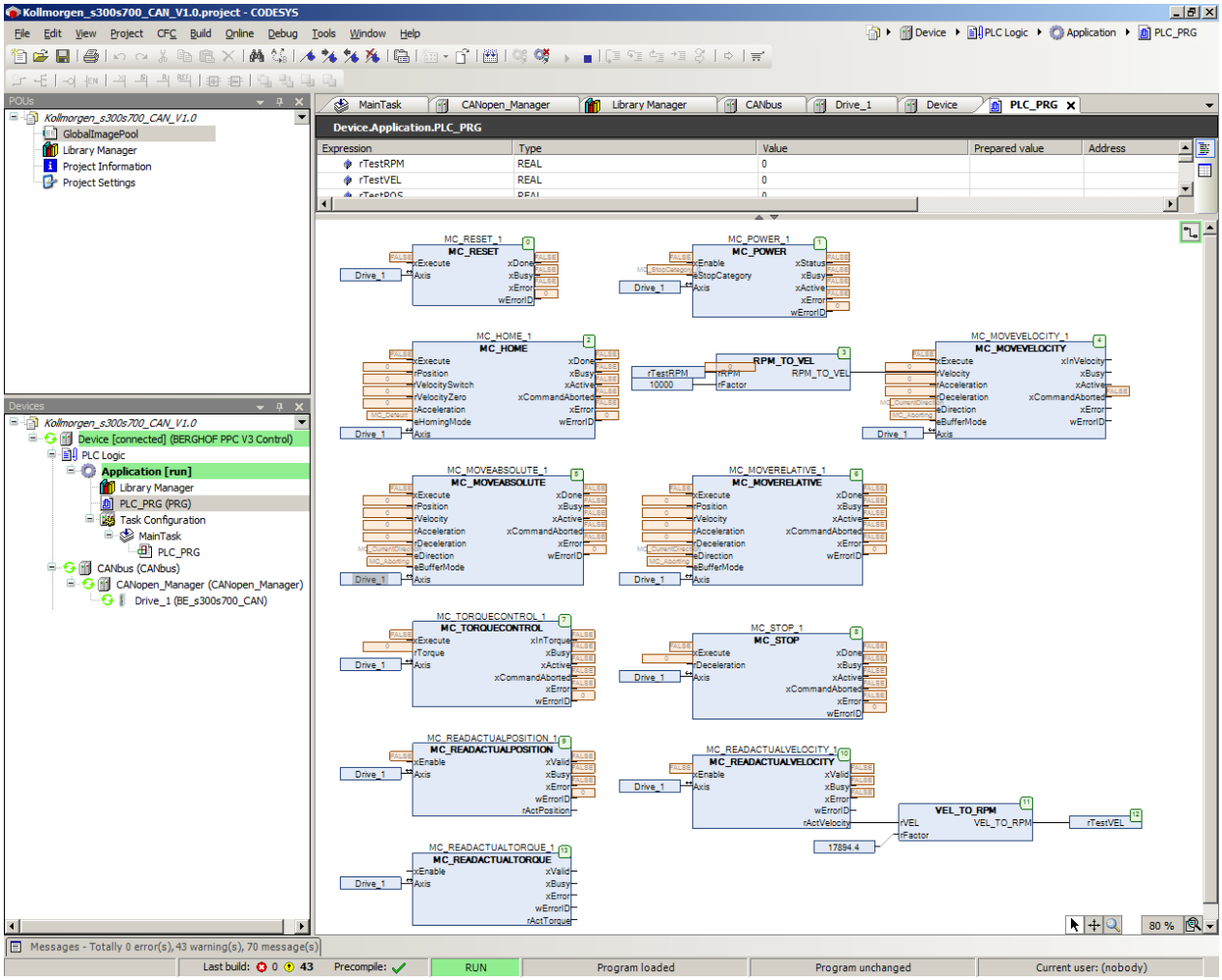





MC_READERROR_SAFETYCARD
xExecute BOOL
Axis AXIS_REF_s300s700_CAN
BOOL xDone
BOOL xBusy
BOOL xError
WORD wErrorID
POINTER TO ARRAY [1..128] OF stMC_ErrorStack_safetyCard pSafetyCard_ErrorStack


VEL_TO_RPM
rVEL REAL
rFactor REAL
REAL VEL_TO_RPM


RPM_TO_VEL
rRPM REAL
rFactor REAL
REAL RPM_TO_VEL


Kollmorgen_s300s700_CAN_V1.0.project - CODESYS
Device.Application.PLC_PRG
rTestRPM
rTestVEL
MC_RESET
MC_POWER
MC_HOME
RPM_TO_VEL
MC_MOVEVELOCITY
MC_MOVEABSOLUTE
MC_MOVERELATIVE
MC_TORQUECONTROL
MC_STOP
MC_READACTUALPOSITION
MC_READACTUALVELOCITY
MC_READACTUALTORQUE
VEL_TO_RPM
Application [run]
PLC_PRG (PRG)
RUN