ElecDoorHndl_DD

Software and calibration documentation (detailed) [COMP]

RB internal

BOSCH

I [ElecDoorHndl_DD]

1 Function Definition

1.1 Purpose

Input the purpose of developing this function

1.2 Introduction

EDH driver

2 Function Description

2.1 Behavior in normal mode

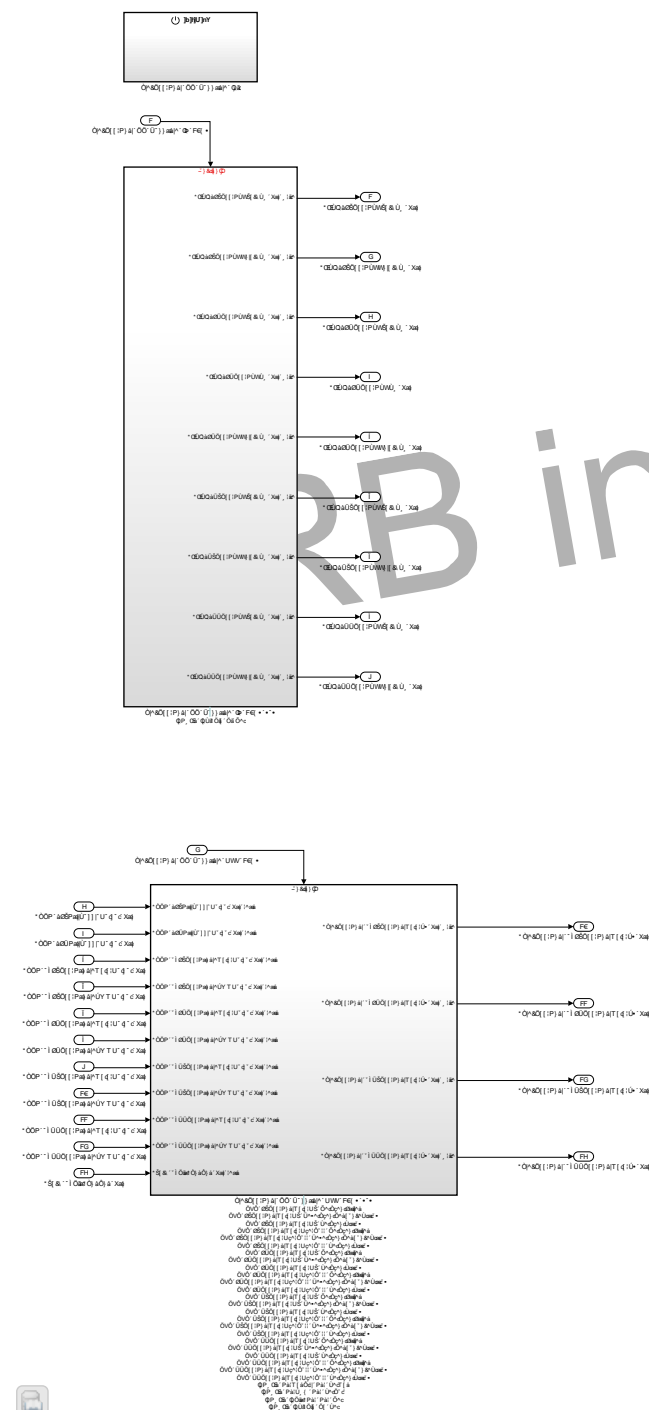Figure 1   ElecDoorHndl_DD [ElecDoorHndl_DD]

BOSCH

Figure 2   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_IN_10ms_sys [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_IN_10ms_sys]
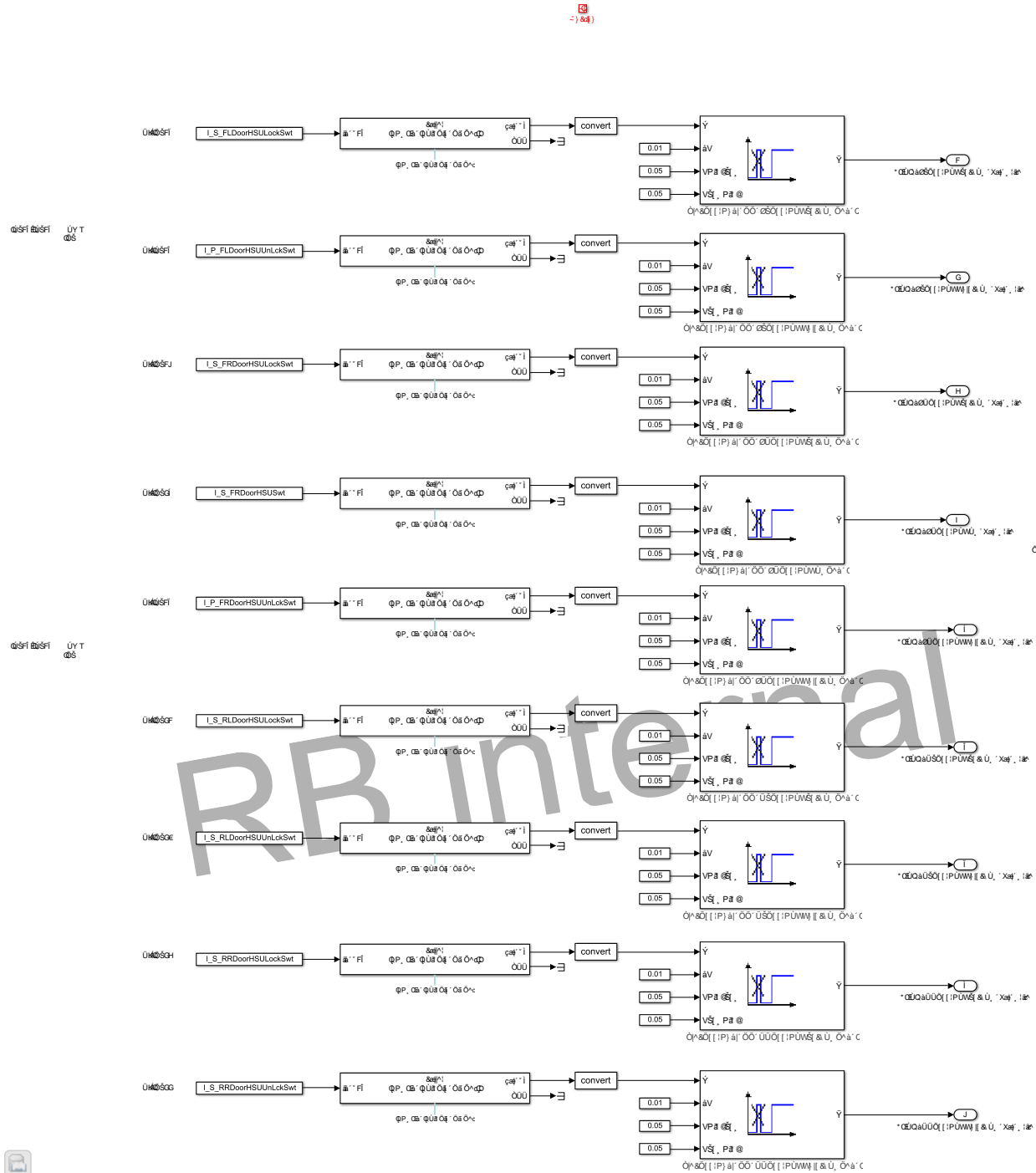

Figure 3   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_Init [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_Init]

Figure 4   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys]
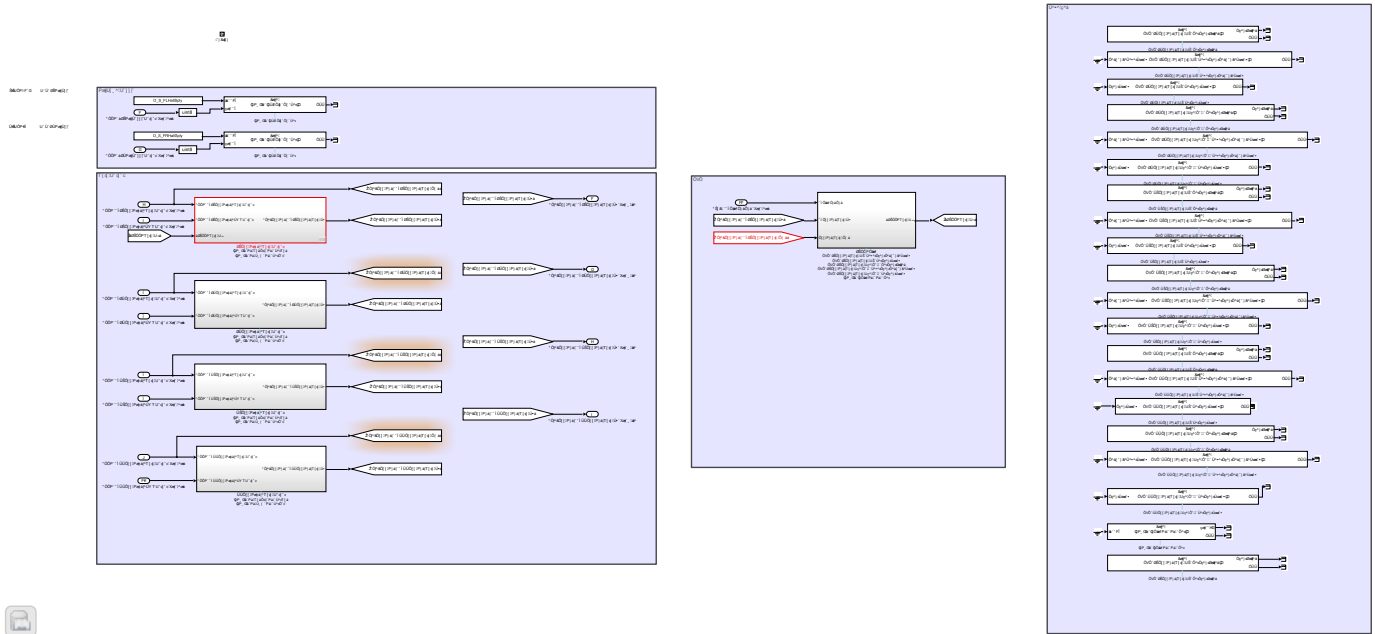

Figure 5   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput [ElecDoorHndl_DD_ElecDoorHndl_DD_-
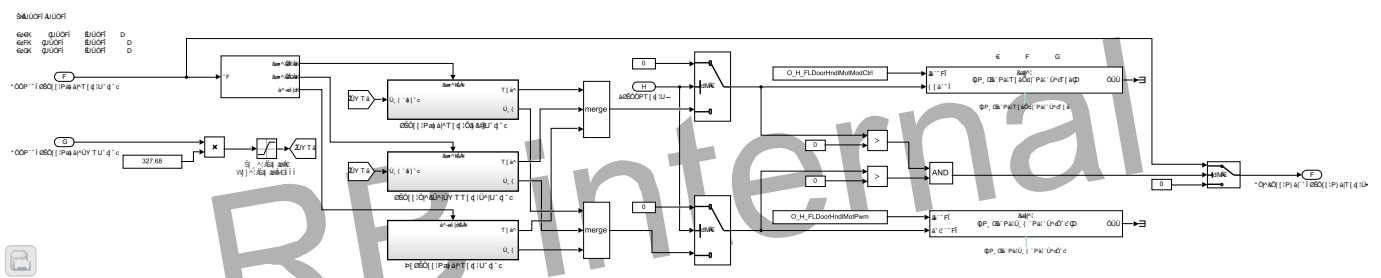Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput]

Figure 6   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput_FLDoorElecRelPWMMotorRelOutput
[ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput_FLDoorElecRelPWMMotorRelOutput]
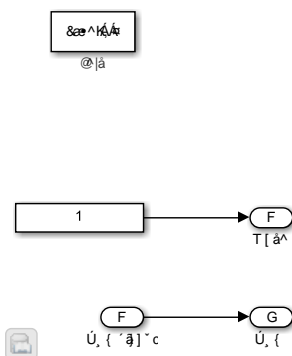

Figure 7   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput_FLDoorHandleMotorCinchlOutput
[ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput_FLDoorHandleMotorCinchlOutput]
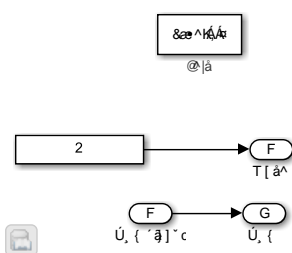
BOSCH

Figure 8   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput_NoFLDoorHandleMotorOutput [Elec-
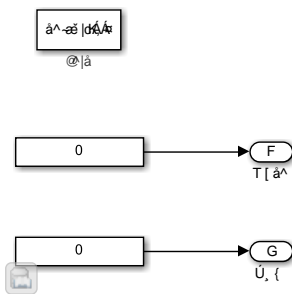DoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLDoorHandleMotorOutput_NoFLDoorHandleMotorOutput]

Figure 9   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLEDHDiag [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_-
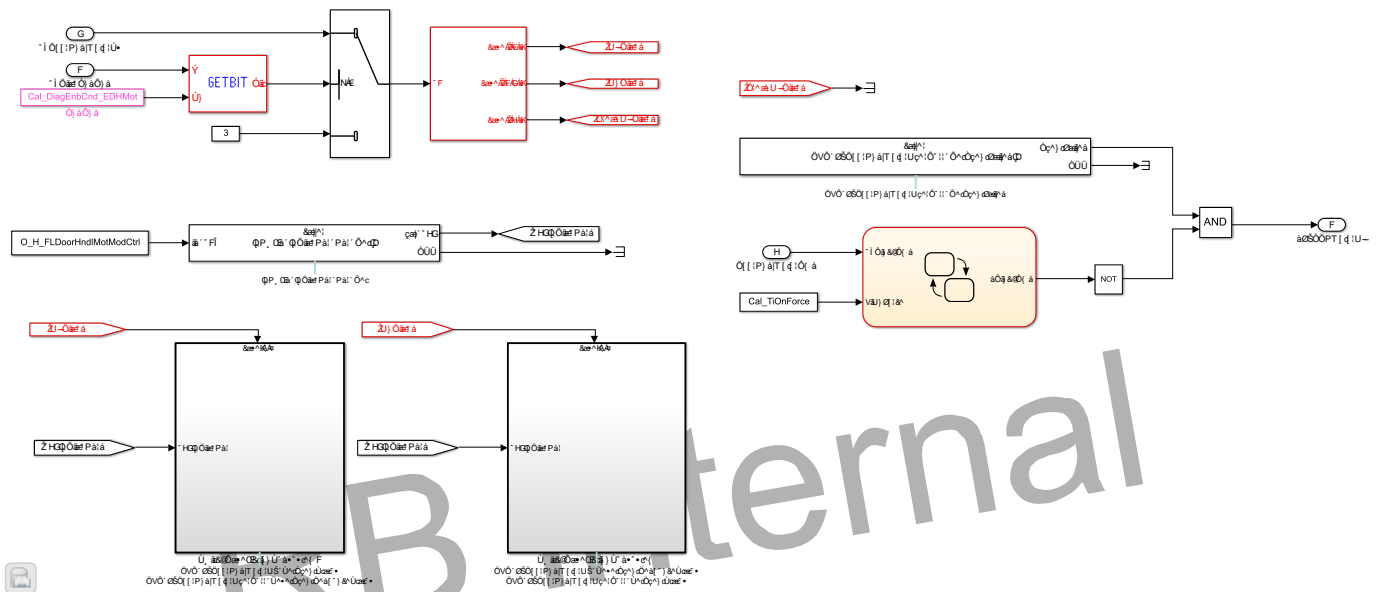10ms_sys_FLEDHDiag]

Figure 10   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLEDHDiag_Chart [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_-
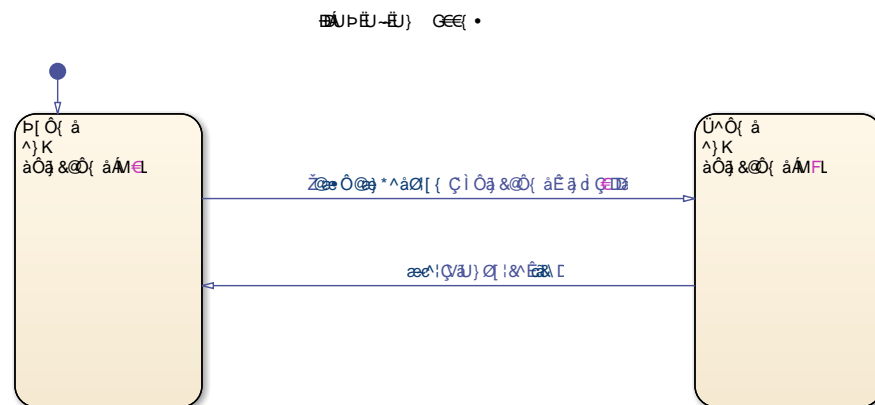OUT_10ms_sys_FLEDHDiag_Chart]

BOSCH

Figure 11   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLEDHDiag_SwitchCaseActionSubsystem [ElecDoorHndl_DD_-
ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLEDHDiag_SwitchCaseActionSubsystem]

Figure 12   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLEDHDiag_SwitchCaseActionSubsystem1 [ElecDoorHndl_DD_-
ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FLEDHDiag_SwitchCaseActionSubsystem1]
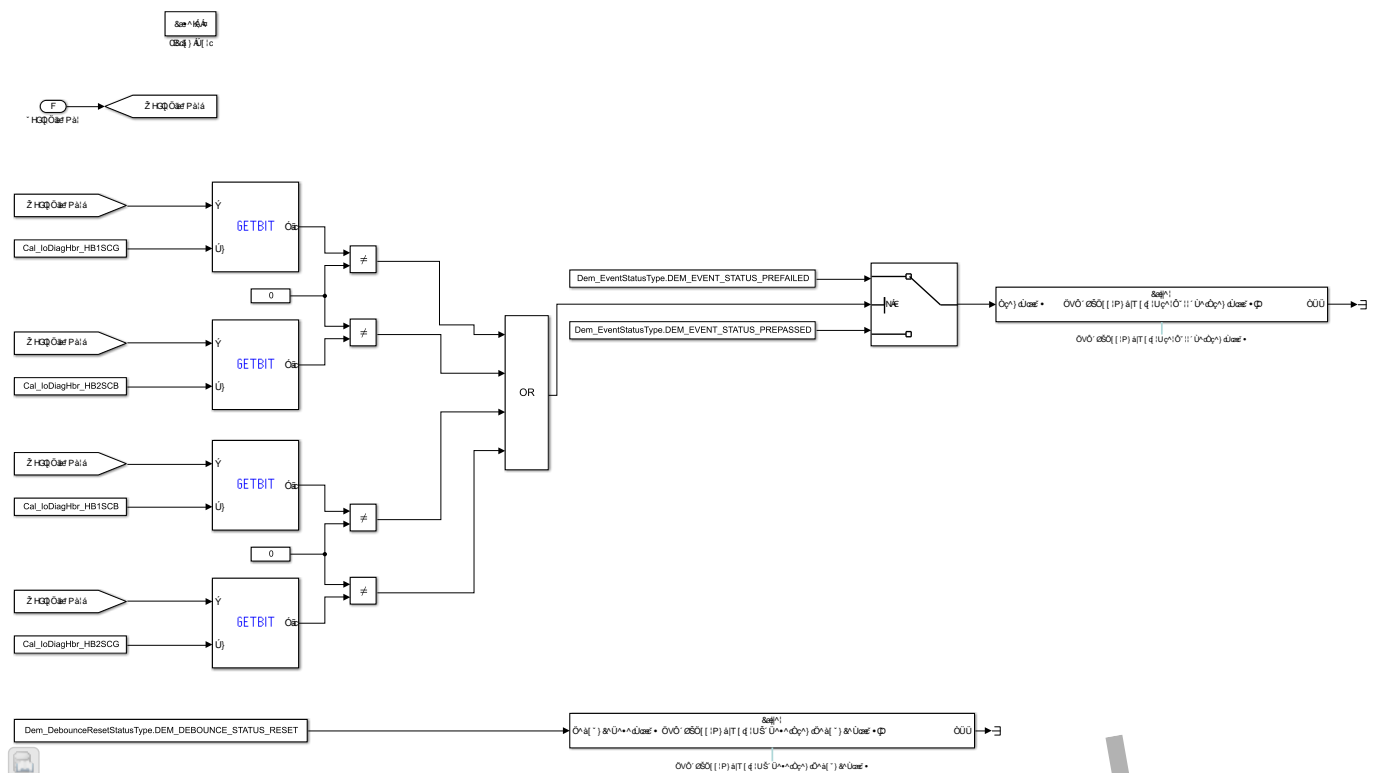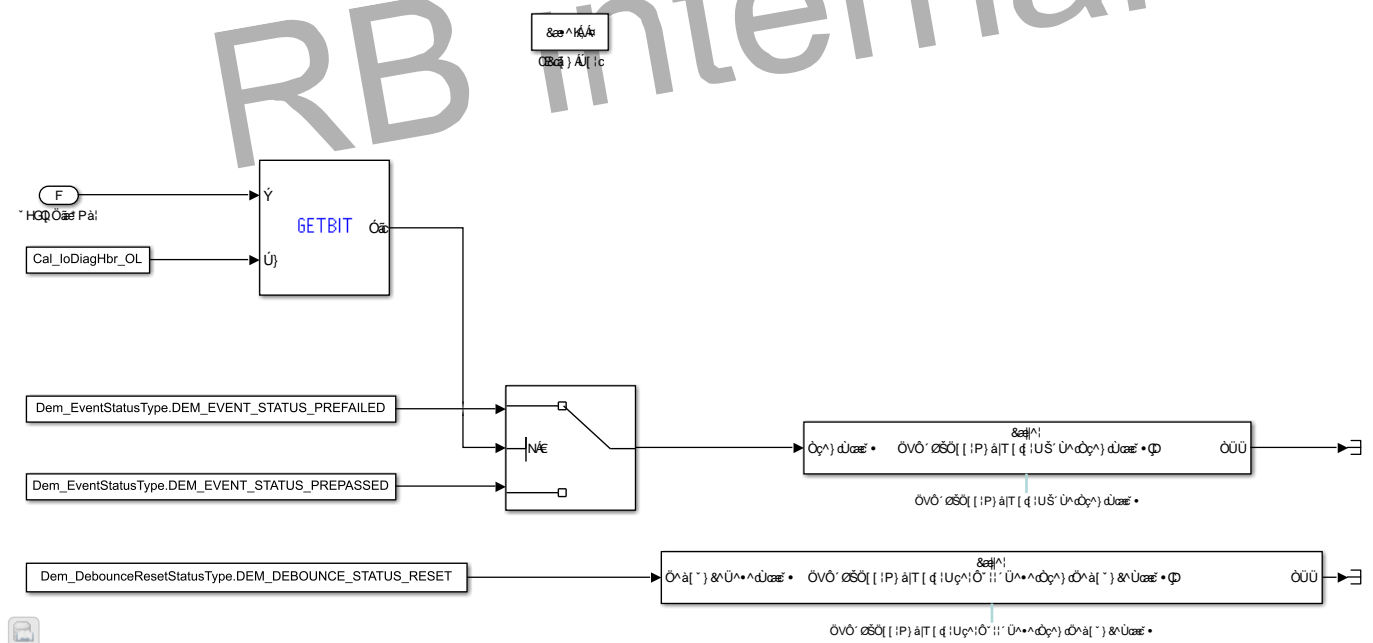
Figure 13   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput [ElecDoorHndl_DD_ElecDoorHndl_D-D_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput]
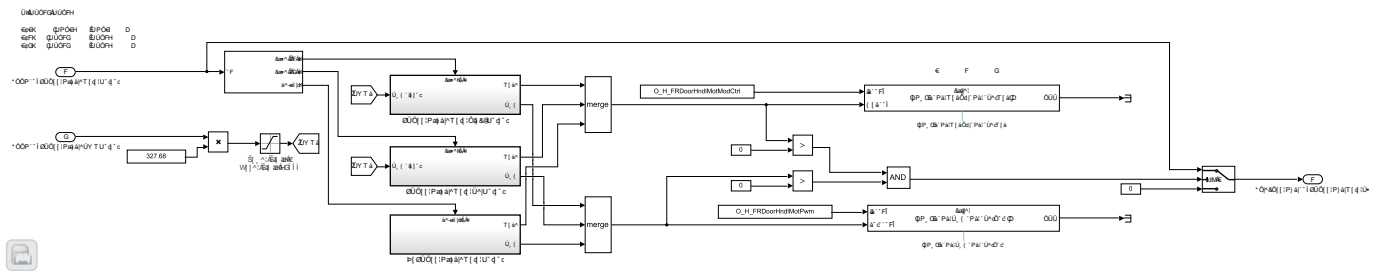
Figure 14   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput_FRDoorHandleMotorCinchOutput [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput_FRDoorHandleMotorCinchOutput]
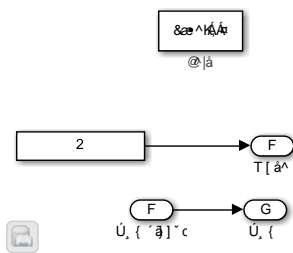
Figure 15   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput_FRDoorHandleMotorRelOutput [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput_FRDoorHandleMotorRelOutput]

Figure 16   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput_NoFRDoorHandleMotorOutput [Elec-DoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_FRDoorHandleMotorOutput_NoFRDoorHandleMotorOutput]

Figure 17   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput [ElecDoorHndl_DD_ElecDoorHndl_D-D_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput]

Figure 18   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput_NoRLDoorHandleMotorOutput [Elec-
             DoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput_NoRLDoorHandleMotorOutput]

Figure 19   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput_RLDoorHandleMotorCinchOutput
             [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput_RLDoorHandleMotorCinchOutput]

Figure 20   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput_RLDoorHandleMotorRelOutput
             [ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RLDoorHandleMotorOutput_RLDoorHandleMotorRelOutput]
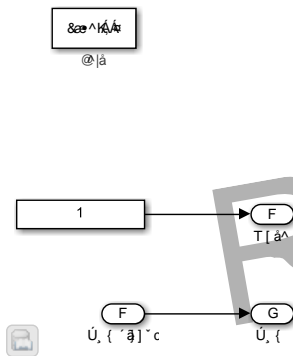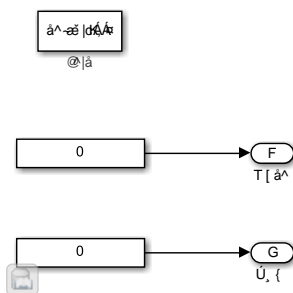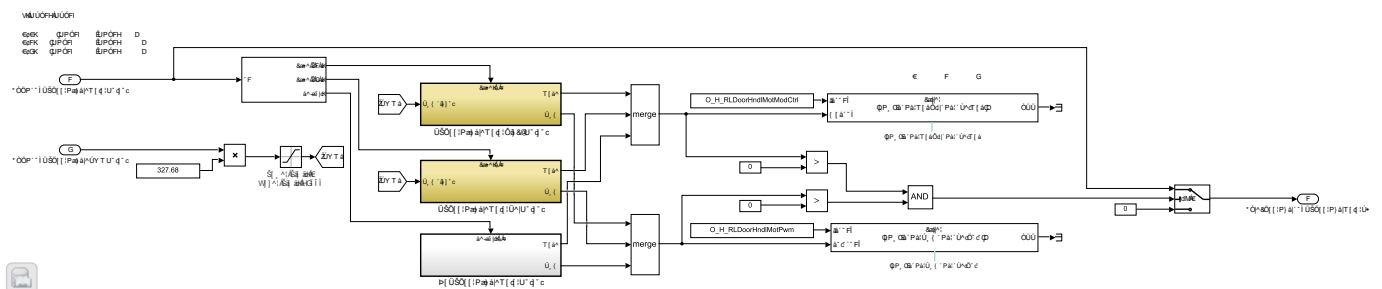

Figure 21   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput [ElecDoorHndl_DD_ElecDoorHndl_D-
             D_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput]

BOSCH

Figure 22   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput_NoRRDoorHandleMotorOutput
[ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput_NoRRDoorHandleMotorOutput]
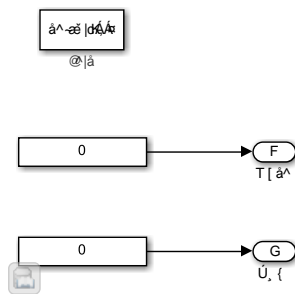
Figure 23   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput_RRDoorHandleMotorCinchOutput
[ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput_RRDoorHandleMotorCinchOutput]
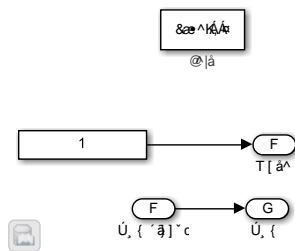
Figure 24   ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput_RRDoorHandleMotorRelOutput
[ElecDoorHndl_DD_ElecDoorHndl_DD_Runnable_OUT_10ms_sys_RRDoorHandleMotorOutput_RRDoorHandleMotorRelOutput]
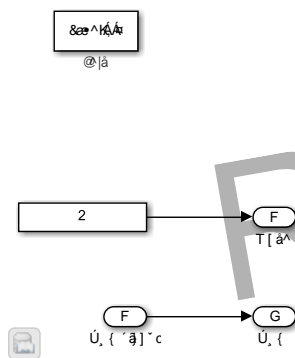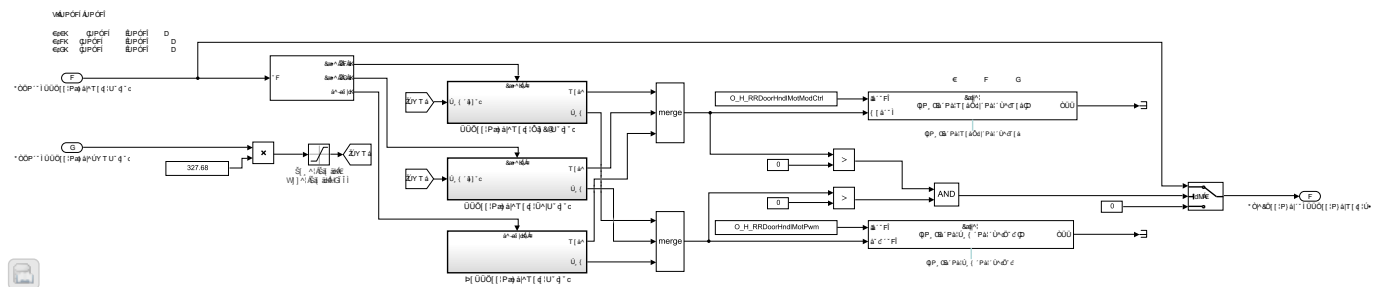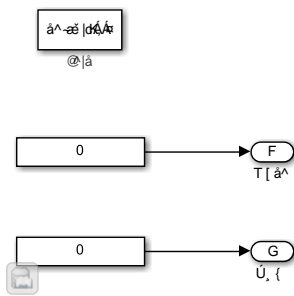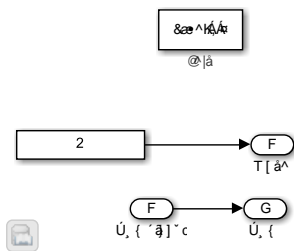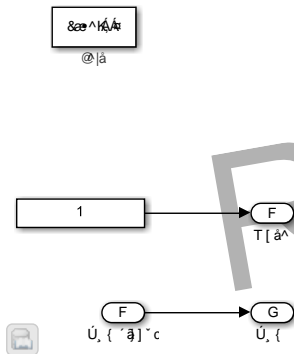
Table 1   Data Types for port interfaces [PortInterfaceDataTypes]

Port	AccessMode	Interface	DE	Datatype
gEDH_bFLHallSupplyOutput	ExplicitReceive	gEDH_bFLHallSupplyOutput	Val	boolean
gEDH_bFRHallSupplyOutput	ExplicitReceive	gEDH_bFRHallSupplyOutput	Val	boolean
gEDH_u8FLDoorHandleMotorOutput	ExplicitReceive	gEDH_u8FLDoorHandleMotorOutput	Val	uint8
gEDH_u8FLDoorHandlePWMOutput	ExplicitReceive	gEDH_u8FLDoorHandlePWMOutput	Val	uint8
gEDH_u8FRDoorHandleMotorOutput	ExplicitReceive	gEDH_u8FRDoorHandleMotorOutput	Val	uint8
gEDH_u8FRDoorHandlePWMOutput	ExplicitReceive	gEDH_u8FRDoorHandlePWMOutput	Val	uint8
gEDH_u8RLDoorHandleMotorOutput	ExplicitReceive	gEDH_u8RLDoorHandleMotorOutput	Val	uint8
gEDH_u8RLDoorHandlePWMOutput	ExplicitReceive	gEDH_u8RLDoorHandlePWMOutput	Val	uint8
gEDH_u8RRDoorHandleMotorOutput	ExplicitReceive	gEDH_u8RRDoorHandleMotorOutput	Val	uint8
gEDH_u8RRDoorHandlePWMOutput	ExplicitReceive	gEDH_u8RRDoorHandlePWMOutput	Val	uint8
gLock_u8DiagEnbCnd	ExplicitReceive	gLock_u8DiagEnbCnd	Val	uint8

BOSCH

Port	AccessMode	Interface	DE	Datatype
gASI_bFLDoorHSULockSw	ExplicitSend	gASI_bFLDoorHSULockSw	Val	boolean
gASI_bFLDoorHSUUnlock-Sw	ExplicitSend	gASI_bFLDoorHSUUnlock-Sw	Val	boolean
gASI_bFRDoorHSULockSw	ExplicitSend	gASI_bFRDoorHSULockSw	Val	boolean
gASI_bFRDoorHSUSw	ExplicitSend	gASI_bFRDoorHSUSw	Val	boolean
gASI_bFRDoorHSUUnlock-Sw	ExplicitSend	gASI_bFRDoorHSUUnlock-Sw	Val	boolean
gASI_bRLDoorHSULockSw	ExplicitSend	gASI_bRLDoorHSULockSw	Val	boolean
gASI_bRLDoorHSUUnlock-Sw	ExplicitSend	gASI_bRLDoorHSUUnlock-Sw	Val	boolean
gASI_bRRDoorHSULock-Sw	ExplicitSend	gASI_bRRDoorHSULock-Sw	Val	boolean
gASI_bRRDoorHSUUnlock-Sw	ExplicitSend	gASI_bRRDoorHSUUnlock-Sw	Val	boolean
gElecDoorHndl_u8FLDoor-HndlMotorPs	ExplicitSend	gElecDoorHndl_u8FLDoor-HndlMotorPs	Val	uint8
gElecDoorHndl_u8FRDoor-HndlMotorPs	ExplicitSend	gElecDoorHndl_u8FRDoor-HndlMotorPs	Val	uint8
gElecDoorHndl_u8RLDoor-HndlMotorPs	ExplicitSend	gElecDoorHndl_u8RLDoor-HndlMotorPs	Val	uint8
gElecDoorHndl_u8RR-DoorHndlMotorPs	ExplicitSend	gElecDoorHndl_u8RR-DoorHndlMotorPs	Val	uint8