Project Information for Project_Neotec_Skyrailer

Project

Name:	Project_Neotec_Skyrailer
Description:	Description
Safety Approach:	PL
Secondary Application:	False
C0 MATCH embedded Version:	7.3.3.4
C1 MATCH embedded Version:	7.3.3.4
C2 MATCH embedded Version:	7.3.3.4

Developer Information

Company:	HYDAC
Author:	Christian Klein
Department:	MSEH

Vehicle Identification

Vehicle Manufacturer

Manufacturer Name:	Neotec skyrailer
Brand Name:	
Location:	

Vehicle Information

Vehicle Type:	Nacelle
Vehicle Part Number:	
Serial Number:	0
Production Code:	
Sales Name:	Skyrailer
Maximum Speed:	20 km/h

CAN Messages for Bus C0_C1_CAN_0

Radio command send to C1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	18FF0001	10	65280 (0xFF00)	C1	C0	Intel

Signals of message SendToC1RadioCmd

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	RotFrameClkwiseButton	1	[-]	0	0	1
1	2 (2)	1 bits	RotFrameCtClkwiseButton	1	[-]	0	0	1
1	3 (3)	1 bits	UpPendularOrRotTurretCtClock	1	[-]	0	0	1
1	4 (4)	1 bits	DownPendularOrRotTurretClock	1	[-]	0	0	1
1	7 (7)	1 bits	SelectorRotTurret	1	[-]	0	0	1
1	8 (8)	1 bits	SelectorPendular	1	[-]	0	0	1
2	1 (9)	1 bits	UpAxleOscillant	1	[-]	0	0	1
2	2 (10)	1 bits	DownAxleOscillant	1	[-]	0	0	1
2	3 (11)	1 bits	UpAxleFixe	1	[-]	0	0	1
2	4 (12)	1 bits	DownAxleFixe	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	RotFrameClkwiseButton	-
1	RotFrameCtClkwiseButton	-
1	UpPendularOrRotTurretCtClock	-

Byte	*Parameter*	*Description*
1	DownPendularOrRotTurretClock	-
1	SelectorRotTurret	-
1	SelectorPendular	-
2	UpAxleOscillant	-
2	DownAxleOscillant	-
2	UpAxleFixe	-
2	DownAxleFixe	-

Receive message CAN by eVision7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	D7CF01	20	55247 (0xD7CF)	C0, C1	C2	Intel

Signals of message Msg1RcvFromEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	gLoginStatus	1	[-]	0	0	1
1	2 (2)	1 bits	gButtonCalibTurretEncoder	1	[-]	0	0	1
1	3 (3)	1 bits	gButtonCalibMinMastMeasure	1	[-]	0	0	1
1	4 (4)	1 bits	gButtonCalibMaxMastMeasure	1	[-]	0	0	1
1	5 (5)	1 bits	SavePosEncodeurMastButton	1	[-]	0	0	1
1	6 (6)	1 bits	gActivateMeasuringMast	1	[-]	0	0	1
1	7 (7)	1 bits	RazDistanceTraveledMastMeasure	1	[-]	0	0	1
2	1 (9)	1 bits	gOffTrackTestBrakeActivated	1	[-]	0	0	1
2	2 (10)	1 bits	gOffTrackRunInBrakeActivated	1	[-]	0	0	1
2	3 (11)	1 bits	gOsciServiceBrakeSelect	1	[-]	0	0	1
2	4 (12)	1 bits	gFixedServiceBrakeSelect	1	[-]	0	0	1
2	5 (13)	1 bits	gBothServiceBrakeSelect	1	[-]	0	0	1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
2	6 (14)	1 bits	gOsciParkBrakeSelect	1	[-]	0	0	1
2	7 (15)	1 bits	gFixedParkBrakeSelect	1	[-]	0	0	1
2	8 (16)	1 bits	gBothParkBrakeSelect	1	[-]	0	0	1
3	1 (17)	1 bits	gOsciServiceRunInBrakeSelect	1	[-]	0	0	1
3	2 (18)	1 bits	gFixedServiceRunInBrakeSelect	1	[-]	0	0	1
3	3 (19)	1 bits	gBothServiceRunInBrakeSelect	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gLoginStatus	-
1	gButtonCalibTurretEncoder	-
1	gButtonCalibMinMastMeasure	-
1	gButtonCalibMaxMastMeasure	-
1	SavePosEncodeurMastButton	-
1	gActivateMeasuringMast	-
1	RazDistanceTraveledMastMeasure	-
2	gOffTrackTestBrakeActivated	-
2	gOffTrackRunInBrakeActivated	-
2	gOsciServiceBrakeSelect	-
2	gFixedServiceBrakeSelect	-
2	gBothServiceBrakeSelect	-
2	gOsciParkBrakeSelect	-
2	gFixedParkBrakeSelect	-
2	gBothParkBrakeSelect	-
3	gOsciServiceRunInBrakeSelect	-
3	gFixedServiceRunInBrakeSelect	-
3	gBothServiceRunInBrakeSelect	-

Data receive from C1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	18FF0002	10	65280 (0xFF00)	C0	C1	Intel

Signals of message DataRcvFromC1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	2 bits	C1TurretPostSelector	1	[-]	0	0	3
1	3 (3)	2 bits	C1RadioPostSelector	1	[-]	0	0	3
1	5 (5)	2 bits	C1NacellePostSelector	1	[-]	0	0	3
1	7 (7)	1 bits	UpAxleOscillantCommand	1	[-]	0	0	1
1	8 (8)	1 bits	DownAxleOscillantCommand	1	[-]	0	0	1
2	1 (9)	1 bits	UpAxleFixeCommand	1	[-]	0	0	1
2	2 (10)	1 bits	DownAxleFixeCommand	1	[-]	0	0	1
2	3 (11)	1 bits	EntryTelescopeFdcSensor	1	[-]	0	0	1
2	4 (12)	1 bits	DeltaArmFoldedSensor	1	[-]	0	0	1
2	5 (13)	1 bits	BoomArmFoldedSensor	1	[-]	0	0	1
2	6 (14)	1 bits	DeltaArmInLowerZone	1	[-]	0	0	1
2	7 (15)	1 bits	TurretInRearCenterPos	1	[-]	0	0	1
2	8 (16)	1 bits	TurretInFrontCenterPos	1	[-]	0	0	1
3	1 (17)	32 bits	RegimeMotorAlternatorRpm	1	[-]	0	-2147483648	2147483647
7	1 (49)	16 bits	ArrowArmAngularSensor	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
1	C1TurretPostSelector	-
1	C1RadioPostSelector	-
1	C1NacellePostSelector	-

Byte	*Parameter*	*Description*
1	UpAxleOscillantCommand	-
1	DownAxleOscillantCommand	-
2	UpAxleFixeCommand	-
2	DownAxleFixeCommand	-
2	EntryTelescopeFdcSensor	-
2	DeltaArmFoldedSensor	-
2	BoomArmFoldedSensor	-
2	DeltaArmInLowerZone	-
2	TurretInRearCenterPos	-
2	TurretInFrontCenterPos	-
3	RegimeMotorAlternatorRpm	-
7	ArrowArmAngularSensor	-

Data send to eVision 7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C0D701	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg1C0SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	gBreak_Parking_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gBreak_Faillure_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gMovement_Allow_Nacelle	1	[-]	0	0	1
1	4 (4)	1 bits	gTurretSectorInCenter	1	[-]	0	0	1
1	5 (5)	1 bits	gTurretInCenter	1	[-]	0	0	1
1	6 (6)	1 bits	gVehiculeTrainMode	1	[-]	0	0	1
1	7 (7)	1 bits	gIncoherenceLateralStopAndKey	1	[-]	0	0	1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	8 (8)	1 bits	gWorkMode	1	[-]	0	0	1
2	1 (9)	1 bits	gSafetyElectricPump	1	[-]	0	0	1
2	2 (10)	1 bits	gDownhill150mm	1	[-]	0	0	1
2	3 (11)	1 bits	gTrainModeAllow	1	[-]	0	0	1
2	4 (12)	1 bits	gBrakeTestService	1	[-]	0	0	1
2	5 (13)	1 bits	gBrakePressureFault	1	[-]	0	0	1
2	6 (14)	1 bits	gActivateMeasuringMast	1	[-]	0	0	1
2	7 (15)	1 bits	gAutoMovementDirectionLight	1	[-]	0	0	1
2	8 (16)	1 bits	gBackRailwayAxleLowPosition	1	[-]	0	0	1
3	1 (17)	1 bits	gFrontRailwayAxleLowPosition	1	[-]	0	0	1
3	2 (18)	1 bits	gBackRailwayAxleServiceBrake	1	[-]	0	0	1
3	3 (19)	1 bits	gFrontRailwayAxleServiceBrake	1	[-]	0	0	1
3	4 (20)	1 bits	gBackRailwayAxleParkBrake	1	[-]	0	0	1
3	5 (21)	1 bits	gFrontRailwayAxleParkBrake	1	[-]	0	0	1
3	6 (22)	1 bits	gStatusFrontLeftTrainBrakeTest	1	[-]	0	0	1
3	7 (23)	1 bits	gStatFrontRightTrainBrakeTest	1	[-]	0	0	1
3	8 (24)	1 bits	gStatusBackLeftTrainBrakeTest	1	[-]	0	0	1
4	1 (25)	1 bits	gStatusBackRightTrainBrakeTest	1	[-]	0	0	1
4	2 (26)	1 bits	gAlarmAru	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gBreak_Parking_On_Off	-
1	gBreak_Faillure_On_Off	-
1	gMovement_Allow_Nacelle	-
1	gTurretSectorInCenter	-
1	gTurretInCenter	-
1	gVehiculeTrainMode	-
1	gIncoherenceLateralStopAndKey	-

Byte	*Parameter*	*Description*
1	gWorkMode	-
2	gSafetyElectricPump	-
2	gDownhill150mm	-
2	gTrainModeAllow	-
2	gBrakeTestService	-
2	gBrakePressureFault	-
2	gActivateMeasuringMast	-
2	gAutoMovementDirectionLight	-
2	gBackRailwayAxleLowPosition	-
3	gFrontRailwayAxleLowPosition	-
3	gBackRailwayAxleServiceBrake	-
3	gFrontRailwayAxleServiceBrake	-
3	gBackRailwayAxleParkBrake	-
3	gFrontRailwayAxleParkBrake	-
3	gStatusFrontLeftTrainBrakeTest	-
3	gStatFrontRightTrainBrakeTest	-
3	gStatusBackLeftTrainBrakeTest	-
4	gStatusBackRightTrainBrakeTest	-
4	gAlarmAru	-

Data send to C1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	18FF0003	10	65280 (0xFF00)	C1	C0	Intel

Signals of message DataSendToC1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	RestrictedModeAruRadio	1	[-]	0	0	1
1	2 (2)	1 bits	TranslationIsSolicited	1	[-]	0	0	1
1	3 (3)	2 bits	SelectedControlPost	1	[-]	0	0	3
1	5 (5)	1 bits	AxleMovementIsSolicited	1	[-]	0	0	1
1	6 (6)	1 bits	DownAxleFixeSensor	1	[-]	0	0	1
1	7 (7)	1 bits	DownAxleOscillantSensor	1	[-]	0	0	1
1	8 (8)	1 bits	ReduceSpeedRotTurretClockwise	1	[-]	0	0	1
2	1 (9)	16 bits	SlopeAngle	1	[-]	0	0	65535
6	1 (41)	1 bits	ReduceSpeedRotTurretCtClock	1	[-]	0	0	1
6	2 (42)	1 bits	ReduceSpeedArrowArmDown	1	[-]	0	0	1
6	3 (43)	1 bits	StopRotTurretClockwise	1	[-]	0	0	1
6	4 (44)	1 bits	StopRotTurretCounterClockwise	1	[-]	0	0	1
6	5 (45)	1 bits	StopRotBasketClockwise	1	[-]	0	0	1
6	6 (46)	1 bits	StopRotBasketCounterClockwise	1	[-]	0	0	1
6	7 (47)	1 bits	StopArrowArmDown	1	[-]	0	0	1
6	8 (48)	1 bits	StopTelescopeOut	1	[-]	0	0	1
7	1 (49)	16 bits	EncodeurTurret1Angle	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
1	RestrictedModeAruRadio	-
1	TranslationIsSolicited	-
1	SelectedControlPost	-
1	AxleMovementIsSolicited	-
1	DownAxleFixeSensor	-
1	DownAxleOscillantSensor	-
1	ReduceSpeedRotTurretClockwise	-
2	SlopeAngle	-
6	ReduceSpeedRotTurretCtClock	-

Byte	*Parameter*	*Description*
6	ReduceSpeedArrowArmDown	-
6	StopRotTurretClockwise	-
6	StopRotTurretCounterClockwise	-
6	StopRotBasketClockwise	-
6	StopRotBasketCounterClockwise	-
6	StopArrowArmDown	-
6	StopTelescopeOut	-
7	EncodeurTurret1Angle	-

Data send to eVision 7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C0D702	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg2C0SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	gEngine_Use_Time	1	[-]	0	0	65535
3	1 (17)	16 bits	gEngine_RPM	1	[-]	0	0	65535
5	1 (33)	16 bits	gVehiculeSpeed	1	[-]	0	0	65535
7	1 (49)	8 bits	gLateralizationStop	1	[-]	0	0	255
8	1 (57)	8 bits	gKeySelector	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gEngine_Use_Time	-

Byte	*Parameter*	*Description*
3	gEngine_RPM	-
5	gVehiculeSpeed	-
7	gLateralizationStop	-
8	gKeySelector	-

Data send to evision 7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C0D703	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message Msg3C0SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	gFrontSpeedRailWayAxle	1	[-]	0	0	255
2	1 (9)	8 bits	gBackSpeedRailWayAxle	1	[-]	0	0	255
3	1 (17)	16 bits	gAvdvancePeriod	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gFrontSpeedRailWayAxle	-
2	gBackSpeedRailWayAxle	-
3	gAvdvancePeriod	-

Message_01

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*TX*	*Byte Order*
8	18FF0000	50	65280 (0xFF00)	C0	Intel

Signals of message Message_01

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	Signal	1	[-]	0	0	1
2	1 (9)	8 bits	Signal_0	1	[-]	0	0	1
3	1 (17)	8 bits	Signal_1	1	[-]	0	0	1
4	1 (25)	8 bits	Signal_2	1	[-]	0	0	1
5	1 (33)	8 bits	Signal_3	1	[-]	0	0	1
6	1 (41)	8 bits	Signal_4	1	[-]	0	0	1
7	1 (49)	16 bits	Signal_5	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Signal	-
2	Signal_0	-
3	Signal_1	-
4	Signal_2	-
5	Signal_3	-
6	Signal_4	-
7	Signal_5	-

debug) message

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C0D711	200	49367 (0xC0D7)	C2	C0	Intel

Signals of message MsgDebugC0SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
5	1 (33)	16 bits	gC0Debug3	1	[-]	0	-32768	32767
7	1 (49)	16 bits	gC0Debug4	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
5	gC0Debug3	-
7	gC0Debug4	-

Data send to evision 7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C1D701	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg1C1SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	gBattery_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gPreheat_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gEngine_Faillure_On_Off	1	[-]	0	0	1
1	4 (4)	1 bits	gMaintenance_On_Off	1	[-]	0	0	1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	5 (5)	1 bits	gOil_On_OFF	1	[-]	0	0	1
1	6 (6)	1 bits	gDeltaArmSectorDown	1	[-]	0	0	1
1	7 (7)	1 bits	gArrowArmSectorDown	1	[-]	0	0	1
1	8 (8)	1 bits	gPendularSectorDown	1	[-]	0	0	1
2	1 (9)	1 bits	gDeltaArmInCenter	1	[-]	0	0	1
2	2 (10)	1 bits	gArrowArmInCenter	1	[-]	0	0	1
2	3 (11)	1 bits	gPendularInCenter	1	[-]	0	0	1
2	4 (12)	1 bits	gBasketRotationInCenter	1	[-]	0	0	1
2	5 (13)	1 bits	gTelescopeInCenter	1	[-]	0	0	1
2	6 (14)	1 bits	gBasketInclinaisonInCenter	1	[-]	0	0	1
2	7 (15)	1 bits	gDeltaArmMoveUpAllow	1	[-]	0	0	1
2	8 (16)	1 bits	gDeltaArmMoveDownAllow	1	[-]	0	0	1
3	1 (17)	1 bits	gArrowArmMoveUpAllow	1	[-]	0	0	1
3	2 (18)	1 bits	gArrowArmMoveDownAllow	1	[-]	0	0	1
3	3 (19)	1 bits	gPendularMoveUpAllow	1	[-]	0	0	1
3	4 (20)	1 bits	gPendularMoveDownAllow	1	[-]	0	0	1
3	5 (21)	1 bits	gTelescopeMoveOutAllow	1	[-]	0	0	1
3	6 (22)	1 bits	gTelescopeMoveInAllow	1	[-]	0	0	1
3	7 (23)	1 bits	gTurretCtClockWiseMoveAllow	1	[-]	0	0	1
3	8 (24)	1 bits	gTurretClockWiseMoveAllow	1	[-]	0	0	1
4	1 (25)	1 bits	gBasketRotCtClockWiseMoveAllow	1	[-]	0	0	1
4	2 (26)	1 bits	gBasketRotClockWiseMoveAllow	1	[-]	0	0	1
4	3 (27)	1 bits	gBasketInclinMoveUpAllow	1	[-]	0	0	1
4	4 (28)	1 bits	gBasketInclinMoveDownAllow	1	[-]	0	0	1
4	5 (29)	1 bits	gVehiculeDefault	1	[-]	0	0	1
4	6 (30)	1 bits	gTelescopeOutputPossible	1	[-]	0	0	1
4	7 (31)	1 bits	gTelescopeWinderFault	1	[-]	0	0	1
4	8 (32)	1 bits	gNacellePostSelector	1	[-]	0	0	1
5	1 (33)	1 bits	gSTOP_On_Off	1	[-]	0	0	1
5	2 (34)	1 bits	gSafeManSystem	1	[-]	0	0	1
5	3 (35)	1 bits	gHighSpeedAllow	1	[-]	0	0	1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
5	4 (36)	1 bits	gAutomatiqueStop	1	[-]	0	0	1
5	5 (37)	1 bits	gLowSpeedByFault	1	[-]	0	0	1
5	6 (38)	1 bits	gMeasuringMastFault	1	[-]	0	0	1
5	7 (39)	1 bits	VisibleDistanceTraveledMat	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gBattery_On_Off	Battery Status
1	gPreheat_On_Off	Preheat Status
1	gEngine_Faillure_On_Off	Engine Faillure Status
1	gMaintenance_On_Off	Maintenance Status
1	gOil_On_OFF	Oil Status
1	gDeltaArmSectorDown	Delta Arm Sector Down
1	gArrowArmSectorDown	Arrow Arm Sector Down
1	gPendularSectorDown	Pendular Sector Down
2	gDeltaArmInCenter	Delta Arm in Center
2	gArrowArmInCenter	Arrow Arm in Center
2	gPendularInCenter	Pendular in Center
2	gBasketRotationInCenter	Basket Rotation in Center
2	gTelescopeInCenter	Telescope in Center
2	gBasketInclinaisonInCenter	Basket Inclinaison in Center
2	gDeltaArmMoveUpAllow	Delta Arm Move Up Allow
2	gDeltaArmMoveDownAllow	Delta Arm Move Down Allow
3	gArrowArmMoveUpAllow	Arrow Arm Move Up Allow
3	gArrowArmMoveDownAllow	Arrow Arm Move Down Allow
3	gPendularMoveUpAllow	Pendular Move Up Allow
3	gPendularMoveDownAllow	Pendular Move Down Allow
3	gTelescopeMoveOutAllow	Telescope Move Up Allow
3	gTelescopeMoveInAllow	Telescope Move Down Allowl

Byte	*Parameter*	*Description*
3	gTurretCtClockWiseMoveAllow	Turret Counter Clockwise Move Allow
3	gTurretClockWiseMoveAllow	Turret Clockwise Move Allow
4	gBasketRotCtClockWiseMoveAllow	Basket Rotation Counter Clockwise Move Allow
4	gBasketRotClockWiseMoveAllow	Basket Rotation Clockwise Move Allow
4	gBasketInclinMoveUpAllow	Basket Inclinaison Move Up Allow
4	gBasketInclinMoveDownAllow	Basket Inclinaison Move Down Allow
4	gVehiculeDefault	Vehicule in Default (A12)
4	gTelescopeOutputPossible	Telescope output possible (A48)
4	gTelescopeWinderFault	Telescope Winder Fault (A17)
4	gNacellePostSelector	Nacelle post selector
5	gSTOP_On_Off	STOP Status
5	gSafeManSystem	SafeManSystem (A5)
5	gHighSpeedAllow	High Speed Allow (A19)
5	gAutomatiqueStop	Automatique Stop or function mismatch (A20)
5	gLowSpeedByFault	Low Speed by fault (A46)
5	gMeasuringMastFault	Measuring Mast in Fault (A8)
5	VisibleDistanceTraveledMat	-

Data send to evsion 7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C1D702	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg2C1SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	gFuel	1	[-]	0	0	255
2	1 (9)	16 bits	gBattery_Voltage	1	[-]	0	0	65535

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
4	1 (25)	8 bits	gTrainTransmissionPressure	1	[-]	0	0	255
5	1 (33)	32 bits	DistanceTravaledMatMeasure	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gFuel	new signal
2	gBattery_Voltage	new signal
4	gTrainTransmissionPressure	new signal
5	DistanceTravaledMatMeasure	-

MsgDebugC1SendToEvision7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C1D712	200	49623 (0xC1D7)	C2	C1	Intel

Signals of message MsgDebugC1SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	DebugDeltaArmAnglel	1	[-]	0	-32768	32767
3	1 (17)	16 bits	DebugArrowArmAngle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	DebugTelescopePosition	1	[-]	0	-32768	32767
7	1 (49)	16 bits	DebugVehicleSlope	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
1	DebugDeltaArmAnglel	new signal
3	DebugArrowArmAngle	new signal
5	DebugTelescopePosition	new signal
7	DebugVehicleSlope	new signal

Data send to C1 2nd frame

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	18FF0004	10	65280 (0xFF00)	C1	C0	Intel

Signals of message Data2SendToC1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	RedLightsBasketCmd	1	[-]	0	0	1
1	2 (2)	1 bits	WhiteLightsBasketCmd	1	[-]	0	0	1
1	3 (3)	1 bits	WrongAbutments	1	[-]	0	0	1
1	4 (4)	1 bits	StopMovementByBrakeTest	1	[-]	0	0	1
1	5 (5)	1 bits	StopMovementByBreakInBrake	1	[-]	0	0	1
1	6 (6)	1 bits	EnableBuzzerSelectPost	1	[-]	0	0	1
2	1 (9)	32 bits	EncodeurMastMeasureRaw	1	[-]	0	0	4294967295
6	1 (41)	1 bits	CenteredTurretState	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	RedLightsBasketCmd	-
1	WhiteLightsBasketCmd	-

Byte	*Parameter*	*Description*
1	WrongAbutments	-
1	StopMovementByBrakeTest	-
1	StopMovementByBreakInBrake	-
1	EnableBuzzerSelectPost	-
2	EncodeurMastMeasureRaw	-
6	CenteredTurretState	-

Data2RdvFromC1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	18FF0005	10	65280 (0xFF00)	C0	C1	Intel

Signals of message Data2RdvFromC1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	EvUpMeasuringMastCmd	1	[-]	0	0	1
1	2 (2)	1 bits	EvDownMeasuringMastCmd	1	[-]	0	0	1
1	3 (3)	1 bits	FoldedDeltaArmZone	1	[-]	0	0	1
1	4 (4)	1 bits	FoldedArrowArmZone	1	[-]	0	0	1
1	5 (5)	1 bits	FoldedMastMeasure	1	[-]	0	0	1
1	6 (6)	1 bits	BasketInCentrerPos	1	[-]	0	0	1
2	1 (9)	16 bits	DeltaArmAngularSensorValue	1	[-]	0	-32768	32767
4	1 (25)	16 bits	Transmission1Pressure	1	[-]	0	-32768	32767
6	1 (41)	16 bits	Transmission2Pressure	1	[-]	0	-32768	32767
8	1 (57)	2 bits	ActiveHelpState	1	[-]	0	0	3
8	3 (59)	1 bits	StopAllMovementsNacellePost	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	EvUpMeasuringMastCmd	-
1	EvDownMeasuringMastCmd	-
1	FoldedDeltaArmZone	-
1	FoldedArrowArmZone	-
1	FoldedMastMeasure	-
1	BasketInCentrerPos	-
2	DeltaArmAngularSensorValue	-
4	Transmission1Pressure	-
6	Transmission2Pressure	-
8	ActiveHelpState	-
8	StopAllMovementsNacellePost	-

Msg3C1SendToEvision7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C1D703	50	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg3C1SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	32 bits	MinValueEncodeurMast	1	[-]	0	0	4294967295
5	1 (33)	32 bits	MaxValueEncodeurMast	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	*Parameter*	*Description*
1	MinValueEncodeurMast	-

Byte	*Parameter*	*Description*
5	MaxValueEncodeurMast	-

Msg4C1SendToEvision7

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	C1D704	50	49623 (0xC1D7)	C2	C1	Intel

Signals of message Msg4C1SendToEvision7

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	32 bits	EncodeurMastMeasureRaw	1	[-]	0	0	4294967295
5	1 (33)	32 bits	EncodeurMastMeasureCentimeter	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	EncodeurMastMeasureRaw	-
5	EncodeurMastMeasureCentimeter	-

Data3SendToC1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*PGN*	*RX*	*TX*	*Byte Order*
8	18FF0006	50	65280 (0xFF00)	C1	C0	Intel

Signals of message Data3SendToC1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	32 bits	SpeedVehicleKmh	1	[-]	0	-2147483648	2147483647

Parameter Descriptions

Byte	*Parameter*	*Description*
1	SpeedVehicleKmh	-

CAN Messages for Bus CO_CAN_2_Radio

Start message

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
2	0	50	C0	Intel

Signals of message Start

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	Command	1	[-]	0	0	255
2	1 (9)	8 bits	NodeId	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Command	-
2	NodeId	-

Heart Beat

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
1	73C	500	C0	Intel

Signals of message HeartBeat

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	State	-

read analog input packet

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1BC	80	C0	Intel

Signals of message ReadAnalogInput

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	LeftManipulator	1	[-]	0	0	255
2	1 (9)	8 bits	RightManipulator	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	LeftManipulator	-
2	RightManipulator	-

read on off input packet

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	2BC	80	C0	Intel

Signals of message ReadOnOfffInput

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	2 bits	LeftManipulatorPosition	1	[-]	0	0	3
1	3 (3)	2 bits	RightManipulatorPosition	1	[-]	0	0	3
1	5 (5)	1 bits	UpPendularOrRotClockTurret	1	[-]	0	0	1
1	6 (6)	1 bits	UpAxleArFixe	1	[-]	0	0	1
1	7 (7)	1 bits	DownAxleArFixe	1	[-]	0	0	1
1	8 (8)	1 bits	ForcingAdvanceTrack	1	[-]	0	0	1
2	1 (9)	1 bits	UpAxleAvOscillant	1	[-]	0	0	1
2	2 (10)	1 bits	DownAxleAvOscillant	1	[-]	0	0	1
2	3 (11)	1 bits	RotFrameCtClockwise	1	[-]	0	0	1
2	4 (12)	1 bits	RotFrameClockwise	1	[-]	0	0	1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
2	5 (13)	1 bits	SelectorPendular	1	[-]	0	0	1
2	7 (15)	1 bits	SelectorRotTurret	1	[-]	0	0	1
2	8 (16)	1 bits	DownPendularOrRotCtClockTurret	1	[-]	0	0	1
8	6 (62)	1 bits	StopRadioCommand	1	[-]	0	0	1
8	7 (63)	1 bits	StartRadioCommand	1	[-]	0	0	1
8	8 (64)	1 bits	KlaxonCommand	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	LeftManipulatorPosition	-
1	RightManipulatorPosition	-
1	UpPendularOrRotClockTurret	-
1	UpAxleArFixe	-
1	DownAxleArFixe	-
1	ForcingAdvanceTrack	-
2	UpAxleAvOscillant	-
2	DownAxleAvOscillant	-
2	RotFrameCtClockwise	-
2	RotFrameClockwise	-
2	SelectorPendular	-
2	SelectorRotTurret	-
2	DownPendularOrRotCtClockTurret	-
8	StopRadioCommand	-
8	StartRadioCommand	-
8	KlaxonCommand	-

write led packet

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	364	50	C0	Intel

Signals of message WriteLed

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	Led_1_8	1	[-]	0	0	1
1	2 (2)	1 bits	Led_9_11	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Led_1_8	-
1	Led_9_11	-

CAN Messages for Bus CO_C1_CAN_1_TTC48XS

eVision4Msg1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	403	200	C1	Intel

Signals of message eVision4Msg1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	gBattery_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gPreheat_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gSTOP_On_Off	1	[-]	0	0	1
1	4 (4)	1 bits	gEngine_Faillure_On_Off	1	[-]	0	0	1
1	5 (5)	1 bits	gMaintenance_On_Off	1	[-]	0	0	1
1	6 (6)	1 bits	gOil_On_OFF	1	[-]	0	0	1
1	7 (7)	1 bits	gDeltaSectorDown	1	[-]	0	0	1
1	8 (8)	1 bits	gArrowSectorDown	1	[-]	0	0	1
2	1 (9)	1 bits	gPendularSectorDown	1	[-]	0	0	1
2	2 (10)	1 bits	gDeltaArmInCenter	1	[-]	0	0	1
2	3 (11)	1 bits	gArrowArmInCenter	1	[-]	0	0	1
2	4 (12)	1 bits	gPendularInCenter	1	[-]	0	0	1
2	5 (13)	1 bits	gBasketRotationInCenter	1	[-]	0	0	1
2	6 (14)	1 bits	gTelescopeInCenter	1	[-]	0	0	1
2	7 (15)	1 bits	gBasketInclinaisonInCenter	1	[-]	0	0	1
2	8 (16)	1 bits	gDeltaArmMoveUpAllow	1	[-]	0	0	1
3	1 (17)	1 bits	gDeltaArmMoveDownAllow	1	[-]	0	0	1
3	2 (18)	1 bits	gArrowArmMoveUpAllow	1	[-]	0	0	1
3	3 (19)	1 bits	gArrowArmMoveDownAllow	1	[-]	0	0	1
3	4 (20)	1 bits	gPendularMoveUpAllow	1	[-]	0	0	1
3	5 (21)	1 bits	gPendularMoveDownAllow	1	[-]	0	0	1
3	6 (22)	1 bits	gTelescopeMoveOutAllow	1	[-]	0	0	1
3	7 (23)	1 bits	gTelescopeMoveInAllow	1	[-]	0	0	1
3	8 (24)	1 bits	gTurretCntrClockWiseMoveAllow	1	[-]	0	0	1
4	1 (25)	1 bits	gTurretClockWiseMoveAllow	1	[-]	0	0	1
4	2 (26)	1 bits	gBasketRotCtClockWiseMoveAllow	1	[-]	0	0	1
4	3 (27)	1 bits	gBasketRotClockWiseMoveAllow	1	[-]	0	0	1
4	4 (28)	1 bits	gBasketInclinaisonMoveUpAllow	1	[-]	0	0	1
4	5 (29)	1 bits	gBasketIncliMoveDownAllow	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gBattery_On_Off	-
1	gPreheat_On_Off	-
1	gSTOP_On_Off	-
1	gEngine_Faillure_On_Off	-
1	gMaintenance_On_Off	-
1	gOil_On_OFF	-
1	gDeltaSectorDown	-
1	gArrowSectorDown	-
2	gPendularSectorDown	-
2	gDeltaArmInCenter	-
2	gArrowArmInCenter	-
2	gPendularInCenter	-
2	gBasketRotationInCenter	-
2	gTelescopeInCenter	-
2	gBasketInclinaisonInCenter	-
2	gDeltaArmMoveUpAllow	-
3	gDeltaArmMoveDownAllow	-
3	gArrowArmMoveUpAllow	-
3	gArrowArmMoveDownAllow	-
3	gPendularMoveUpAllow	-
3	gPendularMoveDownAllow	-
3	gTelescopeMoveOutAllow	-
3	gTelescopeMoveInAllow	-
3	gTurretCntrClockWiseMoveAllow	-
4	gTurretClockWiseMoveAllow	-
4	gBasketRotCtClockWiseMoveAllow	-
4	gBasketRotClockWiseMoveAllow	-
4	gBasketInclinaisonMoveUpAllow	-
4	gBasketIncliMoveDownAllow	-

eVision4Msg2

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	503	200	C1	Intel

Signals of message eVision4Msg2

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	gFuel	1	[-]	0	0	255
2	1 (9)	16 bits	gBattery_Voltage	1	[-]	0	0	65535
4	1 (25)	16 bits	gEngineRpm	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gFuel	-
2	gBattery_Voltage	-
4	gEngineRpm	-

Msg1C1RcvFromOpus

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	183	40	C0, C1	Intel

Signals of message Msg1C1RcvFromOpus

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	gLifeByte	1	[-]	0	0	255

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
2	1 (9)	1 bits	gDelta_Arm_Move_Up	1	[-]	0	0	1
2	2 (10)	1 bits	gDelta_Arm_Move_Down	1	[-]	0	0	1
2	3 (11)	1 bits	gArrow_Arm_Move_Up	1	[-]	0	0	1
2	4 (12)	1 bits	gArrow_Arm_Move_Down	1	[-]	0	0	1
2	5 (13)	1 bits	gPendular_Arm_Move_Up	1	[-]	0	0	1
2	6 (14)	1 bits	gPendular_Arm_Move_Down	1	[-]	0	0	1
2	7 (15)	1 bits	gTelescope_Move_Out	1	[-]	0	0	1
2	8 (16)	1 bits	gTelescope_Move_In	1	[-]	0	0	1
3	1 (17)	1 bits	gBasket_Inclinaison_Move_Up	1	[-]	0	0	1
3	2 (18)	1 bits	gBasket_Inclinaison_Move_Down	1	[-]	0	0	1
3	3 (19)	1 bits	gTurret_Rotate_ClockWise	1	[-]	0	0	1
3	4 (20)	1 bits	gTurret_Rotate_Cntr_ClockWise	1	[-]	0	0	1
3	5 (21)	1 bits	gBasket_Rotation_Move_Up	1	[-]	0	0	1
3	6 (22)	1 bits	gBasket_Rotation_Move_Down	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gLifeByte	-
2	gDelta_Arm_Move_Up	-
2	gDelta_Arm_Move_Down	-
2	gArrow_Arm_Move_Up	-
2	gArrow_Arm_Move_Down	-
2	gPendular_Arm_Move_Up	-
2	gPendular_Arm_Move_Down	-
2	gTelescope_Move_Out	-
2	gTelescope_Move_In	-
3	gBasket_Inclinaison_Move_Up	-
3	gBasket_Inclinaison_Move_Down	-
3	gTurret_Rotate_ClockWise	-

Byte	*Parameter*	*Description*
3	gTurret_Rotate_Cntr_ClockWise	-
3	gBasket_Rotation_Move_Up	-
3	gBasket_Rotation_Move_Down	-

PDO 0 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	18A	10	C0, C1	Intel

Signals of message PDO0_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	UpInclinaisonBasket	1	[-]	0	0	65535
3	1 (17)	16 bits	DownInclinaisonBasket	1	[-]	0	0	65535
5	1 (33)	16 bits	UpPendular	1	[-]	0	0	65535
7	1 (49)	16 bits	DownPendular	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	UpInclinaisonBasket	-
3	DownInclinaisonBasket	-
5	UpPendular	-
7	DownPendular	-

PDO 1 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	28A	10	C0, C1	Intel

Signals of message PDO1_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	RotationClockwiseBasket	1	[-]	0	0	65535
3	1 (17)	16 bits	RotationCtClockwiseBasket	1	[-]	0	0	65535
5	1 (33)	16 bits	Overload1	1	[-]	0	0	65535
7	1 (49)	16 bits	Overload2	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	RotationClockwiseBasket	-
3	RotationCtClockwiseBasket	-
5	Overload1	-
7	Overload2	-

PDO 2 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	38A	10	C0, C1	Intel

Signals of message PDO2_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	NacelleBasketRightSideSensor1	1	[-]	0	0	65535

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
3	1 (17)	16 bits	NacelleBasketRightSideSensor2	1	[-]	0	0	65535
5	1 (33)	16 bits	NacelleBasketLeftSideSensor1	1	[-]	0	0	65535
7	1 (49)	16 bits	NacelleBasketLeftSideSensor2	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	NacelleBasketRightSideSensor1	-
3	NacelleBasketRightSideSensor2	-
5	NacelleBasketLeftSideSensor1	-
7	NacelleBasketLeftSideSensor2	-

PDO 3 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	48A	10	C0, C1	Intel

Signals of message PDO3_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	LowSectorPendularSensor	1	[-]	0	0	65535
3	1 (17)	16 bits	HighSectorPlateSensor	1	[-]	0	0	65535
5	1 (33)	16 bits	FoldedLadderSensor	1	[-]	0	0	65535
7	1 (49)	16 bits	SafetyManSystem	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	LowSectorPendularSensor	-
3	HighSectorPlateSensor	-
5	FoldedLadderSensor	-
7	SafetyManSystem	-

PDO 4 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	6A0	10	C0, C1	Intel

Signals of message PDO4_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	DeltaArmAxisJoystick	1	[-]	0	0	65535
3	1 (17)	16 bits	ArrowArmAxisJoystick	1	[-]	0	0	65535
5	1 (33)	16 bits	TelescopeArmAxisJoysitck	1	[-]	0	0	65535
7	1 (49)	16 bits	RotationTurretAxisJoystick	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	DeltaArmAxisJoystick	-
3	ArrowArmAxisJoystick	-
5	TelescopeArmAxisJoysitck	-
7	RotationTurretAxisJoystick	-

PDO 5 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	6A1	10	C0, C1	Intel

Signals of message PDO5_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	AdvanceAxisJoystick	1	[-]	0	0	65535
3	1 (17)	16 bits	RearmementSafetyManSystem	1	[-]	0	0	65535
5	1 (33)	16 bits	AbutementNacelleTrackSide	1	[-]	0	0	65535
7	1 (49)	16 bits	AbutementNacelleCenteredSide	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	AdvanceAxisJoystick	-
3	RearmementSafetyManSystem	-
5	AbutementNacelleTrackSide	-
7	AbutementNacelleCenteredSide	-

PDO 6 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	6A2	10	C0, C1	Intel

Signals of message PDO6_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	DeltaArmJystckCenteredTelesc	1	[-]	0	0	1
1	2 (2)	1 bits	ArrowJoystickCenteredTurret	1	[-]	0	0	1
1	3 (3)	1 bits	CenteredAdvanceJoystick	1	[-]	0	0	1
1	4 (4)	1 bits	DeadManPedal	1	[-]	0	0	1
1	5 (5)	1 bits	PressenceInNacelleSensor1	1	[-]	0	0	1
1	6 (6)	1 bits	PressenceInNacelleSensor2	1	[-]	0	0	1
1	7 (7)	1 bits	Gachette	1	[-]	0	0	1
1	8 (8)	1 bits	Klaxon	1	[-]	0	0	1
2	1 (9)	1 bits	StopMotorButton	1	[-]	0	0	1
2	2 (10)	1 bits	AuthorizationWorkKey	1	[-]	0	0	1
2	3 (11)	1 bits	EtallonnageJoystickButton	1	[-]	0	0	1
2	4 (12)	1 bits	ClosePortillon	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	DeltaArmJystckCenteredTelesc	-
1	ArrowJoystickCenteredTurret	-
1	CenteredAdvanceJoystick	-
1	DeadManPedal	-
1	PressenceInNacelleSensor1	-
1	PressenceInNacelleSensor2	-
1	Gachette	-
1	Klaxon	-
2	StopMotorButton	-
2	AuthorizationWorkKey	-
2	EtallonnageJoystickButton	-
2	ClosePortillon	-

PDO 7 48XS master to slave

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	20A	10	C1	Intel

Signals of message PDO7_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	MotorDefaultLight	1	[-]	0	0	1
1	2 (2)	1 bits	OverloadLight	1	[-]	0	0	1
1	4 (4)	1 bits	Buzzer	1	[-]	0	0	1
1	5 (5)	1 bits	SupplyDeadManPedalAndJoysticks	1	[-]	0	0	1
1	6 (6)	1 bits	WarmingLight	1	[-]	0	0	1
1	7 (7)	1 bits	DeversDefaultLight	1	[-]	0	0	1
1	8 (8)	1 bits	GasOilLight	1	[-]	0	0	1
2	1 (9)	1 bits	WhiteLights	1	[-]	0	0	1
2	2 (10)	1 bits	RedLights	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	MotorDefaultLight	-
1	OverloadLight	-
1	Buzzer	-
1	SupplyDeadManPedalAndJoysticks	-
1	WarmingLight	-
1	DeversDefaultLight	-
1	GasOilLight	-
2	WhiteLights	-
2	RedLights	-

Message Can to start slave module 48XS

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
2	0	50	C1	Intel

Signals of message Start_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	Command	1	[-]	0	0	255
2	1 (9)	8 bits	NodeId	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Command	-
2	NodeId	-

Sync message send to slave module 48XS

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
1	80	10	C1	Intel

Signals of message Sync_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	Signal	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Signal	-

Hearbeat receive by slave module 48XS

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
1	70A	200	C0, C1	Intel

Signals of message Hearbeat_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	State	-

PDO 8 48XS slave to master

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
2	6A8	10	C0, C1	Intel

Signals of message PDO8_48XS

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	BatterieVoltage48Xs	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	BatterieVoltage48Xs	-

Hearbeat receive by retrator telescope sensor

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	729	200	C1	Intel

Signals of message Hearbeat_Telescope

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	State	-

eVision4Msg3Debug

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	404	200	C1	Intel

Signals of message eVision4Msg3Debug

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	DebugDeltaArmAngle	1	[-]	0	-32768	32767
3	1 (17)	16 bits	DebugArrowArmAngle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	DebugTelescopePosition	1	[-]	0	-32768	32767
7	1 (49)	16 bits	DebugVehicleSlope	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
1	DebugDeltaArmAngle	-
3	DebugArrowArmAngle	-
5	DebugTelescopePosition	-
7	DebugVehicleSlope	-

Message 1 send by C0 to Opus

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	203	200	C0	Intel

Signals of message Msg1C0SendToOpus

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	1 bits	gBreak_Parking_On_Off	1	[-]	0	0	1
1	2 (2)	1 bits	gBreak_Faillure_On_Off	1	[-]	0	0	1
1	3 (3)	1 bits	gTurretSectorInCenter	1	[-]	0	0	1
1	4 (4)	1 bits	gTurretInCenter	1	[-]	0	0	1

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gBreak_Parking_On_Off	new signal
1	gBreak_Faillure_On_Off	new signal
1	gTurretSectorInCenter	new signal
1	gTurretInCenter	new signal

Msg2C0SendToOpus

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
8	303	200	C0	Intel

Signals of message Msg2C0SendToOpus

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	gEngine_Use_Time	1	[-]	0	0	65535
3	1 (17)	16 bits	gEncodeurTurretAngle	1	[-]	0	-32768	32767

Parameter Descriptions

Byte	*Parameter*	*Description*
1	gEngine_Use_Time	new signal
3	gEncodeurTurretAngle	-

CAN Messages for Bus CO_CAN_3

Start devers frame sensor

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*TX*	*Byte Order*
2	0	100	C0	Intel

Signals of message StartSensor

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	Command	1	[-]	0	0	255
2	1 (9)	8 bits	NodeId	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Command	-
2	NodeId	-

Heart Beat Devers Frame

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
1	72B	50	C0	Intel

Signals of message HeartBeatDeversFrame

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	State	-

devers frame value

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1AB	50	C0	Intel

Signals of message DeversFrame

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	Y_Axis_Angle	1	[-]	0	-32768	32767
3	1 (17)	16 bits	X_Axis_Angle	1	[-]	0	-32768	32767
5	1 (33)	16 bits	Temperature	1	[-]	0	0	65535
7	1 (49)	8 bits	Alarm	1	[-]	0	0	255
8	1 (57)	8 bits	SWVersion	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	Y_Axis_Angle	-
3	X_Axis_Angle	-
5	Temperature	-
7	Alarm	-
8	SWVersion	-

Encodeur turret 1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1B3	100	C0	Intel

Signals of message EncodeurTurret1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	32 bits	EncodeurTurret1	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	*Parameter*	*Description*
1	EncodeurTurret1	-

Encodeur Turret 2

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1B4	50	C0	Intel

Signals of message EncodeurTurret2

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	32 bits	EncodeurTurret2	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	*Parameter*	*Description*
1	EncodeurTurret2	-

HeartBeatEncodeurTurret

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	733	50	C0	Intel

Signals of message HeartBeatEncodeurTurret

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	8 bits	State	1	[-]	0	0	255

Parameter Descriptions

Byte	*Parameter*	*Description*
1	State	-

Mast encoder data

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1B1	500	C0	Intel

Signals of message MastMeasure

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	32 bits	EncodeurMastMeasure	1	[-]	0	0	4294967295

Parameter Descriptions

Byte	*Parameter*	*Description*
1	EncodeurMastMeasure	-

CAN Messages for Bus C1_CAN_2

TelescopeFrame1

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1A9	50	C1	Intel

Signals of message TelescopeFrame1

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	AngleTelescope1	1	[-]	0	0	65535
3	1 (17)	8 bits	ErrorTelescope1	1	[-]	0	0	255
5	1 (33)	16 bits	LenghtTelescope1	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*
1	AngleTelescope1	-
3	ErrorTelescope1	-
5	LenghtTelescope1	-

TelescopeFrame2

DLC (Bytes)	*Full Identifier (hex)*	*Cycle Time [ms]*	*RX*	*Byte Order*
8	1AA	50	C1	Intel

Signals of message TelescopeFrame2

Byte	*Start Bit rel(absol.)*	*Length*	*Parameter*	*Scale*	*Unit*	*Offset*	*Min Value*	*Max Value*
1	1 (1)	16 bits	AngleTelescope2	1	[-]	0	0	65535
3	1 (17)	8 bits	ErrorTelescope2	1	[-]	0	0	255
5	1 (33)	16 bits	LenghtTelescope2	1	[-]	0	0	65535

Parameter Descriptions

Byte	*Parameter*	*Description*

Byte	*Parameter*	*Description*
1	AngleTelescope2	-
3	ErrorTelescope2	-
5	LenghtTelescope2	-

SIL Errors

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1014:31:255	Task overload	White	RM_NONE	0 ms	0 ms
1015:31:255	Batttery Low	White	RM_NONE	500 ms	1000 ms
1016:31:255	Battery High	White	RM_NONE	500 ms	1000 ms
1017:31:255	Temperature Low	White	RM_NONE	500 ms	1000 ms
1018:31:255	Temperature High	White	RM_NONE	500 ms	1000 ms
1019:31:255	Sensor Supply S1 Low	White	RM_NONE	500 ms	1000 ms
1020:31:255	Sensor Supply S1 High	White	RM_NONE	500 ms	1000 ms
1021:31:255	Sensor Supply S2 Low	White	RM_NONE	500 ms	1000 ms
1022:31:255	Sensor Supply S2 High	White	RM_NONE	500 ms	1000 ms
1023:31:255	Sensor Supply 5V Low	White	RM_NONE	500 ms	1000 ms
1024:31:255	Sensor Supply 5V High	White	RM_NONE	500 ms	1000 ms
1031:31:255	List load oneset	White	RM_NONE	0 ms	0 ms
1032:31:255	List load defect	White	RM_NONE	0 ms	0 ms
1033:31:255	List store defect	White	RM_NONE	0 ms	0 ms
1065:31:255	Task overload	White	RM_NONE	0 ms	0 ms
1066:31:255	Batttery Low	White	RM_NONE	500 ms	1000 ms
1067:31:255	Battery High	White	RM_NONE	500 ms	1000 ms
1068:31:255	Temperature Low	White	RM_NONE	500 ms	1000 ms
1069:31:255	Temperature High	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1070:31:255	Sensor Supply S1 Low	White	RM_NONE	500 ms	1000 ms
1071:31:255	Sensor Supply S1 High	White	RM_NONE	500 ms	1000 ms
1072:31:255	Sensor Supply S2 Low	White	RM_NONE	500 ms	1000 ms
1073:31:255	Sensor Supply S2 High	White	RM_NONE	500 ms	1000 ms
1074:31:255	Sensor Supply 5V Low	White	RM_NONE	500 ms	1000 ms
1075:31:255	Sensor Supply 5V High	White	RM_NONE	500 ms	1000 ms
1082:31:255	List load oneset	White	RM_NONE	0 ms	0 ms
1083:31:255	List load defect	White	RM_NONE	0 ms	0 ms
1084:31:255	List store defect	White	RM_NONE	0 ms	0 ms

Generic Errors

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9724:31:255	if Aru contact is pushed , stop movement	Red	RM_ARU_ACTIVE_C0	300 ms	1000 ms
9725:31:255	if Aru radio is pushed , stop movement	Red	RM_ARU_RADIO_C0	300 ms	1000 ms
9726:31:255	if Aru contact is pushed , stop movement	Red	RM_ARU_ACTIVE_C1	300 ms	1000 ms
9727:31:255	if Aru radio contact is pushed , stop movement	Red	RM_ARU_ACTIVE_C1	100 ms	1000 ms
9772:31:255		Red	RM_STOP_MOVE_LIMIT_ENVLP	0 ms	1000 ms

Input Errors

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9000:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9001:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9002:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9003:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9004:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9005:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9006:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9007:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9008:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9009:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9010:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9011:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9012:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9013:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9014:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9015:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9016:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9017:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9018:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9019:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9020:31:255	Input is short to Ground	White	RM_NONE	500 ms	1000 ms
9021:31:255	Input is short to Power	White	RM_NONE	500 ms	1000 ms
9022:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9023:31:255	Unknown Error	White	RM_NONE	500 ms	1000 ms
9024:31:255	Input is short to Ground	White	RM_NONE	500 ms	1000 ms
9025:31:255	Input is short to Power	White	RM_NONE	500 ms	1000 ms
9026:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9027:31:255	Unknown Error	White	RM_NONE	500 ms	1000 ms
9048:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9049:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9050:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9051:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9064:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9065:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9066:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9067:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9068:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9069:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9070:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9071:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9109:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9110:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9111:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9112:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9113:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9114:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9115:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9116:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9117:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9118:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9119:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9120:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9121:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9122:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9123:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9124:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9186:31:255	Input signal short to power	White	RM_NONE	500 ms	1000 ms
9187:31:255	Input signal short to ground	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9188:31:255	Internal Block error	White	RM_NONE	500 ms	1000 ms
9201:31:255	Logical Error between pin 0 and 1	White	RM_NONE	500 ms	1000 ms
9202:31:255	Vin0 < u16VolLoMin	White	RM_NONE	500 ms	1000 ms
9203:31:255	Vin0 > u16VolHiMax	White	RM_NONE	500 ms	1000 ms
9204:31:255	u16VolLoMax < Vin0 < u16VolHiMin	White	RM_NONE	500 ms	1000 ms
9205:31:255	Vin1 < u16VolLoMin	White	RM_NONE	500 ms	1000 ms
9206:31:255	Vin1 > u16VolHiMax	White	RM_NONE	500 ms	1000 ms
9207:31:255	u16VolLoMax < Vin1 < u16VolHiMin	White	RM_NONE	500 ms	1000 ms
9208:31:255	Logical Error between pin 0 and 1	White	RM_NONE	500 ms	1000 ms
9209:31:255	Vin0 < u16VolLoMin	White	RM_NONE	500 ms	1000 ms
9210:31:255	Vin0 > u16VolHiMax	White	RM_NONE	500 ms	1000 ms
9211:31:255	u16VolLoMax < Vin0 < u16VolHiMin	White	RM_NONE	500 ms	1000 ms
9212:31:255	Vin1 < u16VolLoMin	White	RM_NONE	500 ms	1000 ms
9213:31:255	Vin1 > u16VolHiMax	White	RM_NONE	500 ms	1000 ms
9214:31:255	u16VolLoMax < Vin1 < u16VolHiMin	White	RM_NONE	500 ms	1000 ms
9218:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9219:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9220:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9221:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9222:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9223:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9224:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9225:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9226:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9227:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9228:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9291:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9292:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9293:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9294:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9295:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9379:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9380:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9381:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9382:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9383:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9384:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9385:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9386:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9387:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9388:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9479:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9480:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9481:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9482:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9483:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9484:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9485:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9486:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9487:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9488:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9489:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9490:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9491:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9492:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9493:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9494:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9495:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9496:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9497:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9503:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9504:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9505:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9506:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9507:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9508:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9509:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9510:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9511:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9512:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9513:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9514:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9515:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9516:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9517:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9523:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9524:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9525:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9526:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9527:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9528:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9529:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9530:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9531:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9532:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9533:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9534:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9535:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9536:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9537:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9538:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9539:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9540:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9541:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9542:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9543:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9544:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9545:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9546:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9547:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9552:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9553:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9554:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9555:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9594:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9595:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9596:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9597:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9598:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9599:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9600:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9601:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9602:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9603:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9604:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9605:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9606:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9607:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9608:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9609:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9610:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9611:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9612:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9613:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9614:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9615:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9616:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9617:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9618:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9619:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9620:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9621:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9622:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9623:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9624:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9625:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9626:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9627:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9628:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9641:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9642:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9643:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9644:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9657:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9658:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9659:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9660:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9661:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9662:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9663:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9664:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9665:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9666:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9667:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9668:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9705:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9706:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9707:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9708:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9709:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9710:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9711:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9712:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9713:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9714:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9715:31:255	An input signal is too low / Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9716:31:255	An input signal is too high / Short circuit to power	White	RM_NONE	500 ms	1000 ms
9717:31:255	An input signal is out of valid range	White	RM_NONE	500 ms	1000 ms
9718:31:255	Warning: a block has limited parameters	White	RM_NONE	500 ms	1000 ms
9719:31:255	An initialization error	White	RM_NONE	500 ms	1000 ms
9736:31:255	Input is short to Ground	White	RM_NONE	500 ms	1000 ms
9737:31:255	Input is short to Power	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9738:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9739:31:255	Unknown Error	White	RM_NONE	500 ms	1000 ms
9756:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9757:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9758:3:255	Slave input signal short to power	White	RM_NONE	500 ms	1000 ms
9759:4:255	Slave input signal short to ground	White	RM_NONE	500 ms	1000 ms
9760:26:255	Deviation of signals out of limit	White	RM_NONE	500 ms	1000 ms
9761:14:255	Limp mode active	White	RM_NONE	500 ms	1000 ms
9762:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9763:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms
9764:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9765:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9766:3:255	Slave input signal short to power	White	RM_NONE	500 ms	1000 ms
9767:4:255	Slave input signal short to ground	White	RM_NONE	500 ms	1000 ms
9768:26:255	Deviation of signals out of limit	White	RM_NONE	500 ms	1000 ms
9769:14:255	Limp mode active	White	RM_NONE	500 ms	1000 ms
9770:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9771:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms

Output Errors

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9028:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9029:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9030:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9031:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9032:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9033:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9034:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9035:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9036:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9037:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9038:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9039:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9040:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9041:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9042:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9043:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9044:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9045:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9046:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9047:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9056:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9057:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9058:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9059:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9060:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9061:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9062:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9063:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9072:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9073:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9074:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9075:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9076:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9077:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9078:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9079:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9080:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9081:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9082:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9083:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9084:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9085:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9086:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9087:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9088:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9089:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9090:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9091:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9092:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9093:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9094:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9095:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9096:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9097:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9098:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9099:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9100:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9101:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9102:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9103:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9125:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9126:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9127:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9128:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9154:31:255	Short to Power has been detected	White	RM_NONE	500 ms	1000 ms
9155:31:255	Short to Ground has been detected	White	RM_NONE	500 ms	1000 ms
9156:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9157:31:255	Unknown error	White	RM_NONE	500 ms	1000 ms
9158:31:255	Short to Power has been detected	White	RM_NONE	500 ms	1000 ms
9159:31:255	Short to Ground has been detected	White	RM_NONE	500 ms	1000 ms
9160:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9161:31:255	Unknown error	White	RM_NONE	500 ms	1000 ms
9197:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9198:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9199:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9200:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9264:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9265:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9266:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9267:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9268:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9269:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9270:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9276:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9282:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9283:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9284:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9285:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9286:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9287:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9288:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9289:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9290:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9296:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9297:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9298:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9299:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9300:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9301:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9302:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9303:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9304:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9305:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9306:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9307:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9308:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9309:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9310:31:255	Open circuit	White	RM_NONE	500 ms	1000 ms
9311:31:255	Short circuit to power	White	RM_NONE	500 ms	1000 ms
9312:31:255	Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9313:31:255	Deviation of current control	White	RM_NONE	500 ms	1000 ms
9314:31:255	Internal error	White	RM_NONE	500 ms	1000 ms
9315:31:255	Open circuit	White	RM_NONE	500 ms	1000 ms
9316:31:255	Short circuit to power	White	RM_NONE	500 ms	1000 ms
9317:31:255	Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9318:31:255	Deviation of current control	White	RM_NONE	500 ms	1000 ms
9319:31:255	Internal error	White	RM_NONE	500 ms	1000 ms
9320:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9330:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9331:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9332:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9333:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9374:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9375:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9376:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9377:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9378:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9389:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9390:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9391:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9392:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9393:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9394:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9395:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9396:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9397:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9398:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9399:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9400:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9401:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9402:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9403:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9404:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9405:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9406:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9407:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9408:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9409:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9410:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9411:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9412:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9413:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9414:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9415:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9416:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9417:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9418:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9419:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9421:31:255	Short to Power has been detected	White	RM_NONE	500 ms	1000 ms
9422:31:255	Short to Ground has been detected	White	RM_NONE	500 ms	1000 ms
9423:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9424:31:255	Unknown error	White	RM_NONE	500 ms	1000 ms
9425:31:255	Short to Power has been detected	White	RM_NONE	500 ms	1000 ms
9426:31:255	Short to Ground has been detected	White	RM_NONE	500 ms	1000 ms
9427:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9428:31:255	Unknown error	White	RM_NONE	500 ms	1000 ms
9429:31:255	Short to Power has been detected	White	RM_NONE	500 ms	1000 ms
9430:31:255	Short to Ground has been detected	White	RM_NONE	500 ms	1000 ms
9431:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9432:31:255	Unknown error	White	RM_NONE	500 ms	1000 ms
9433:31:255	Short to Power has been detected	White	RM_NONE	500 ms	1000 ms
9434:31:255	Short to Ground has been detected	White	RM_NONE	500 ms	1000 ms
9435:31:255	Wrong Parameter	White	RM_NONE	500 ms	1000 ms
9436:31:255	Unknown error	White	RM_NONE	500 ms	1000 ms
9437:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9438:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9439:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9440:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9441:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9442:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9443:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9444:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9445:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9446:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9447:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9448:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9449:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9450:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9451:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9452:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9556:31:255	Open circuit	White	RM_NONE	500 ms	1000 ms
9557:31:255	Short circuit to power	White	RM_NONE	500 ms	1000 ms
9558:31:255	Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9559:31:255	Deviation of current control	White	RM_NONE	500 ms	1000 ms
9560:31:255	Internal error	White	RM_NONE	500 ms	1000 ms
9561:31:255	Open circuit	White	RM_NONE	500 ms	1000 ms
9562:31:255	Short circuit to power	White	RM_NONE	500 ms	1000 ms
9563:31:255	Short circuit to ground	White	RM_NONE	500 ms	1000 ms
9564:31:255	Deviation of current control	White	RM_NONE	500 ms	1000 ms
9565:31:255	Internal error	White	RM_NONE	500 ms	1000 ms
9586:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9587:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9588:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9589:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9590:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9591:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9592:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9593:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9633:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9634:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9635:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9636:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9637:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9638:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9639:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9640:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9645:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9646:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9647:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9648:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9649:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9650:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9651:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9652:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9653:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9654:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9655:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9656:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9669:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9670:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9671:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9672:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9673:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9674:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9675:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9676:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9677:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9678:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9679:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9680:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9681:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9682:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9683:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9684:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9685:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9686:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9687:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9688:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9689:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9690:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9691:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9692:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9693:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9694:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9695:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9696:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9697:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9698:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9699:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9700:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9701:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9702:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
9703:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9704:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9720:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9721:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9722:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9723:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9728:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9729:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9730:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9731:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9732:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9733:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9734:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9735:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9773:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9774:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9775:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9776:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms
9777:31:255	HS OpenLoad / Short To Power external	White	RM_NONE	500 ms	1000 ms
9778:31:255	HS Short To Power internal	White	RM_NONE	500 ms	1000 ms
9779:31:255	HS Short To Ground	White	RM_NONE	500 ms	1000 ms
9780:31:255	Internal Driver Error	White	RM_NONE	500 ms	1000 ms

CAN Errors

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1010:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1011:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1034:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1035:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1036:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1037:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1038:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1039:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1040:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1041:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1042:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1043:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1044:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1045:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1046:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1047:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1048:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1049:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1102:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1103:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1104:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1105:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1106:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1107:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1108:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1109:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1110:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1111:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1112:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1113:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1114:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1115:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1116:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1117:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1118:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1119:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1173:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1174:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1175:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1176:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1177:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1178:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1179:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1180:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1181:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1182:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1183:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1184:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1185:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1186:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1187:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1188:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1189:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1190:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1209:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1210:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1211:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1212:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1213:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1214:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1215:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1216:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1217:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1218:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1219:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1220:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1221:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1222:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1223:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1224:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1225:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1226:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1229:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1230:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1231:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1232:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1233:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1234:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1235:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1236:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1237:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1238:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1239:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1240:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1241:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1242:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1291:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1292:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1293:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1294:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1295:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1296:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1297:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1298:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1299:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1300:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1301:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1302:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1303:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1304:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1305:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1306:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1307:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1308:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1309:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1310:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1311:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1312:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1313:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1314:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1315:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1316:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1317:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1318:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1319:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1320:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1321:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1322:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1323:31:255	CAN Bus off	White	RM_NONE	500 ms	1000 ms
1324:31:255	CAN warning	White	RM_NONE	500 ms	1000 ms
1325:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1326:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1327:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1328:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1329:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms
1330:31:255	HW-Buffer overflow send	White	RM_NONE	500 ms	1000 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1331:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1332:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1333:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1334:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1335:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1336:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1337:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms
1338:31:255	HW-Buffer overflow receive	White	RM_NONE	500 ms	1000 ms

Other Errors

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1000:31:255	DM_ECU0_INPBOARDNON	White	RM_NONE	0 ms	0 ms
1001:31:255	DM_ECU0_INPBOARDFAT	White	RM_NONE	0 ms	0 ms
1002:31:255	DM_ECU0_INPUTPINS	White	RM_NONE	0 ms	0 ms
1003:31:255	DM_ECU0_DOUT	White	RM_NONE	0 ms	0 ms
1004:31:255	DM_ECU0_PWMOUT	White	RM_NONE	0 ms	0 ms
1005:31:255	DM_ECU0_CORE	Red	RM_NONE	0 ms	0 ms
1006:31:255	DM_ECU0_MEM	Red	RM_NONE	0 ms	0 ms
1007:31:255	DM_ECU0_WD	Red	RM_NONE	0 ms	0 ms
1008:31:255	DM_ECU1_SSW	White	RM_NONE	0 ms	0 ms
1009:31:255	DM_ECU1_APP_SAFESTATE	White	RM_NONE	0 ms	0 ms
1012:31:255	DM_ECU1_OTHERS	White	RM_NONE	0 ms	0 ms
1013:31:255	DM_ECU1_UNDEF	White	RM_NONE	0 ms	0 ms
1050:31:255	Software Buffer SW-Overflow	White	RM_NONE	500 ms	1000 ms
1051:31:255	DM_ECU0_INPBOARDNON	White	RM_NONE	0 ms	0 ms
1052:31:255	DM_ECU0_INPBOARDFAT	White	RM_NONE	0 ms	0 ms
1053:31:255	DM_ECU0_INPUTPINS	White	RM_NONE	0 ms	0 ms
1054:31:255	DM_ECU0_DOUT	White	RM_NONE	0 ms	0 ms
1055:31:255	DM_ECU0_PWMOUT	White	RM_NONE	0 ms	0 ms

DTC	*Description*	*Prio*	*Failure Reaction*	*Debounce Set Error*	*Debounce Release*
1056:31:255	DM_ECU0_CORE	Red	RM_NONE	0 ms	0 ms
1057:31:255	DM_ECU0_MEM	Red	RM_NONE	0 ms	0 ms
1058:31:255	DM_ECU0_WD	Red	RM_NONE	0 ms	0 ms
1059:31:255	DM_ECU1_SSW	White	RM_NONE	0 ms	0 ms
1060:31:255	DM_ECU1_APP_SAFESTATE	White	RM_NONE	0 ms	0 ms
1063:31:255	DM_ECU1_OTHERS	White	RM_NONE	0 ms	0 ms
1064:31:255	DM_ECU1_UNDEF	White	RM_NONE	0 ms	0 ms
9748:3:255	Master input signal short to power	White	RM_NONE	500 ms	1000 ms
9749:4:255	Master input signal short to ground	White	RM_NONE	500 ms	1000 ms
9750:3:255	Slave input signal short to power	White	RM_NONE	500 ms	1000 ms
9751:4:255	Slave input signal short to ground	White	RM_NONE	500 ms	1000 ms
9752:26:255	Deviation of signals out of limit	White	RM_NONE	500 ms	1000 ms
9753:14:255	Limp mode active	White	RM_NONE	500 ms	1000 ms
9754:24:255	Parameter of input char NOT monoton	White	RM_NONE	500 ms	1000 ms
9755:12:255	Unknown internal error	White	RM_NONE	500 ms	1000 ms

C0 Inputs and Outputs

Pin	*Electrical Symbol*	*Description*	*Pin Configuration*	*Block Type*	*Block Name*
Analog Input 3 Mode (VIN:5V / CIN:25mA / RES:100k)					
103	103	Pressure Block Oscillaton Sensor	PINTYP_CIN	InCur	PressureBlockOscillationSensor
104	104	Temperature Transmission Sensor	PINTYP_CIN	InCur	TemperatureTransmissionSensor
105	105	Aru Radio 2 Contact	PINTYP_VIN	SwiNo	AruRadio2Contact
106	106	PIN_106	PINTYP_NA	-	-
127	127	Pressure Brake Sensor	PINTYP_CIN	InCur	PressureBrakeSensor
128	128	Aru Radio 1 Contact	PINTYP_VIN	SwiNo	AruRadio1Contact
129	129	PIN_129	PINTYP_NA	-	-
130	130	PIN_130	PINTYP_NA	-	-
Analog Input 2 Mode (VIN:5V/10V / CIN:25mA)					

107	107	Frame Rotation Sensor1	PINTYP_VIN	SwiDblNoNc	FrameRotationSensor1
131	131	Down Oscillant Axle	PINTYP_VIN	SwiNc	DownOscillantAxle
108	108	Down Fixe Axle	PINTYP_VIN	SwiNc	DownFixeAxle
132	132	Up Oscillant Axle	PINTYP_VIN	SwiNc	UpOscillantAxle
109	109	Up Fixe Axle	PINTYP_VIN	SwiNc	UpFixeAxle
133	133	Frame Rotation Sensor 1	PINTYP_VIN	SwiDblNoNc	FrameRotationSensor1
110	110	Rail Hook Sensor	PINTYP_VIN	SwiNo	RailHookSensor
134	134	Inductive Rail Sensor	PINTYP_VIN	SwiNo	InductiveRailSensor
Analog Input 2 Mode (VIN:5V/32V / CIN:25mA)					
111	111	Centered Turret	PINTYP_VIN	SwiNo	CenteredTurret
135	135	Work Key Track Side	PINTYP_VIN	SwiNo	WorkKeyTrackSide
112	112	Frame Rotation Sensor 2	PINTYP_VIN	SwiDblNoNc	FrameRotationSensor2
136	136	Work Key Bilateral	PINTYP_VIN	SwiNo	WorkKeyBilateral
113	113	Work Key Centered	PINTYP_VIN	SwiNo	WorkKeyCentred
137	137	Abutment Turret Track Side	PINTYP_VIN	SwiNo	AbutmentTurretTrackSide
114	114	Frame Rotation Sensor 2	PINTYP_VIN	SwiDblNoNc	FrameRotationSensor2
138	138	Abutment Turret Centred Side	PINTYP_VIN	SwiNo	AbutmentTurretCentredSide
Timer Inputs (FIN / FIN-Pair / VIN / DIN / CurLoop)					
115	115	Oscillant Axle Speed Sensor	PINTYP_CPX	InFreq	OscillantAxleSpeedSensor
139	139	Oscillant Axle Speed Sensor Dir	PINTYP_VIN	SwiNo	OscillantAxleSpeedSensorDir
116	116	Fixe Axle Speed Sensor	PINTYP_CPX	InFreq	FixeAxleSpeedSensor
140	140	Fixe Axle Speed Sensor Dir	PINTYP_VIN	SwiNo	FixeAxleSpeedSensorDir
117	117	Trailer Gache	PINTYP_VIN	SwiNo	TrailerGache
141	141	Measuring Mast Sensor Folded	PINTYP_VIN	SwiNo	MeasuringMastSensorFolded
Timer Inputs (FIN / FIN-Pair / VIN / DIN)					
122	122	PIN_122	PINTYP_NA	-	-
146	146	PIN_146	PINTYP_NA	-	-
123	123	PIN_123	PINTYP_NA	-	-
147	147	PIN_147	PINTYP_NA	-	-
124	124	Aru 1 Contact	PINTYP_VIN	SwiNo	Aru1Contact
148	148	Aru 2 Contact	PINTYP_VIN	SwiNo	Aru2Contact
High-Side PWM Outputs (PWM_C / DOU_C / DIN)					

153	153	Ev Deflector Transmission	PINTYP_DOU	DIG	EvDeflectorTransmission
177	177	Ev Unblock OScillation Axle	PINTYP_DOU	DIG	EvUnBlockOscillationAxle
156	156	SupplyAnaSensors	PINTYP_DOU	DIG	SupplyAnaSensors
180	180	PIN_180	PINTYP_PWM	-	-
159	159	Ev2 Deflector Transmission	PINTYP_DOU	DIG	Ev2DeflectorTransmission
183	183	PIN_183	PINTYP_NA	-	-
186	186	Ev Park Brake Axle Oscillant	PINTYP_DOU	DIG	EvParkBrakeAxleOscillant
162	162	Ev Park Brake Axle Fixe	PINTYP_DOU	DIG	EvParkBrakeAxleFixe
189	189	Ev Service Brake Axle OScillant	PINTYP_DOU	DIG	EvServiceBrakeAxleOscillant
165	165	Ev Service Brake Axle Fixe	PINTYP_DOU	DIG	EvServiceBrakeAxleFixe
192	192	PIN_192	PINTYP_NA	-	-
168	168	PIN_168	PINTYP_NA	-	-
195	195	Ev Service Brake Track	PINTYP_DOU	DIG	EvServiceBrakeTrack
171	171	Ev Power Reduction	PINTYP_DOU	DIG	EvPowerReduction
154	154	Neon Lights	PINTYP_DOU	DIG	NeonLights
178	178	PIN_178	PINTYP_NA	-	-
157	157	PIN_157	PINTYP_NA	-	-
181	181	PIN_181	PINTYP_NA	-	-
160	160	Supply Radio Receiver	PINTYP_DOU	DIG	SupplyRadioReceiver
184	184	Buzzer Lynx Moving Machine	PINTYP_DOU	DIG	BuzzerLynxMovingMachine
187	187	PIN_187	PINTYP_NA	-	-
163	163	Klaxon Neotec	PINTYP_DOU	DIG	KlaxonNeotec
190	190	Ev Up Measuring Mast	PINTYP_DOU	DIG	EvUpMeasuringMast
166	166	Ev Down Measuring Mast	PINTYP_DOU	DIG	EvDownMeasuringMast
193	193	Ev Up Axle Oscillant	PINTYP_DOU	DIG	EvUpAxleOscillant
169	169	Ev Down Axle Oscillant	PINTYP_DOU	DIG	EvDownAxleOscillant
196	196	Ev Up Axle Fixe	PINTYP_DOU	DIG	EvUpAxleFixe
172	172	Ev Down Axle Fixe	PINTYP_DOU	DIG	EvDownAxleFixe
High-Side PWM Outputs (PWN_C / DOU_C / DIN / CPX)					
101	101	Ev Forward Pump	PINTYP_PWM	PRO	EvForwardPump
125	125	Ev Backward Pump	PINTYP_PWM	PRO	EvBackwardPump
150	150	PIN_150	PINTYP_NA	-	-

174	174	PIN_174	PINTYP_NA	-	-
102	102	PIN_102	PINTYP_NA	-	-
126	126	PIN_126	PINTYP_NA	-	-
151	151	PIN_151	PINTYP_NA	-	-
175	175	PIN_175	PINTYP_NA	-	-
High-Side Digital Outputs (DOU_CV / VIN / DIN) (Option LED Driver)					
149	149	White Light AVG	PINTYP_DOU	DIG	WhiteLightAVG
173	173	White Light AVD	PINTYP_DOU	DIG	WhiteLightAVD
152	152	Red Light AVG	PINTYP_DOU	DIG	RedLightAVG
176	176	Red Light AVD	PINTYP_DOU	DIG	RedLightAVD
155	155	White Light ARG	PINTYP_DOU	DIG	WhiteLightARG
179	179	White Light ARD	PINTYP_DOU	DIG	WhiteLightARD
158	158	Red Light ARG	PINTYP_DOU	DIG	RedLightARG
182	182	Red Light ARD	PINTYP_DOU	DIG	RedLightARD
Low-Side Digital Outputs (DOU_C / VIN / DIN)					
251	251	Return low side Ev Forward Pump	PINTYP_DOU	DIG	ReturnLowSideEvForwardPump
238	238	Return low side Ev Backward Pump	PINTYP_DOU	DIG	ReturnLowSideEvBackwardPump
252	252	Pvg Left Track Lowside	PINTYP_DOU	DIG	PvgLeftTrackLowside
239	239	PVg Right Track Lowside	PINTYP_DOU	DIG	PvgRightTrackLowside
253	253	PIN_253	PINTYP_NA	-	-
240	240	PIN_240	PINTYP_NA	-	-
254	254	PIN_254	PINTYP_NA	-	-
241	241	PIN_241	PINTYP_NA	-	-
PVG/VOUT/High-Side Digital Outputs (VOU / DOU_CV / VIN 32V / DIN) (Option LED Driver HS)					
161	161	Pvg Left Track	PINTYP_VOU	OutVoltPro	PvgLeftTrack
185	185	Pvg Right Track	PINTYP_VOU	OutVoltPro	PvgRightTrack
188	188	Supply Pvg Left Track	PINTYP_DOU	DIG	SupplyPvgLeftTrack
164	164	Supply Pvg Right Track	PINTYP_DOU	DIG	SupplyPvgRightTrack
191	191	Fault Pvg Left Track	PINTYP_VIN	InVolt	FaultPvgLeftTrak
167	167	Fault Pvg Right Track	PINTYP_VIN	InVolt	FaultPvgRightTrak
194	194	White Trailer Lights	PINTYP_DOU	DIG	WhiteTrailerLights
170	170	Red Trailer Lights	PINTYP_DOU	DIG	RedTrailerLights

System Pin ReadOnly					
201	SYS_BAT	Battery voltage	PINTYP_SYS	-	-
207	SYS_K15	K15	PINTYP_SYS	-	-
SYS_TEM	SYS_TEMP	BoardTemperature	PINTYP_SYS	-	-
SYS_REF	SYS_REF	2.5V reference voltage	PINTYP_SYS	-	-
System Pin ReadWrite					
247	SYS_S0	5.0V DC Sensor Voltage Supply #0 (alway ON)	PINTYP_SYS	-	-
234	SYS_S1	5.0V DC Sensor Voltage Supply #1 (alway ON)	PINTYP_SYS	-	-
221	SYS_S2	5V..10V DC Variable Sensor Voltage Supply #2 (alway ON)	PINTYP_SYS	-	-
None-Functional System Pin					
246	SYS_BAT_CPU	CPU Battery voltage	PINTYP_SYS_NONE_FUNCTIONAL	-	-
202	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
203	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
204	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
205	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
206	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
217	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
230	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
243	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-

244	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
245	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
256	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
257	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
258	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
Can High					
222	CAN_C0H	CAN Interface 0 - High Line	PINTYP_COM_CANH	-	-
223	CAN_C1H	CAN Interface 1 - High Line	PINTYP_COM_CANH	-	-
224	CAN_C2H	CAN Interface 2 - High Line	PINTYP_COM_CANH	-	-
225	CAN_C3H	CAN Interface 3 - High Line	PINTYP_COM_CANH	-	-
226	CAN_C4H	CAN Interface 4 - High Line	PINTYP_COM_CANH	-	-
227	CAN_C5H	CAN Interface 5 - High Line	PINTYP_COM_CANH	-	-
228	CAN_C6H	CAN Interface 6 - High Line	PINTYP_COM_CANH	-	-
Can Low					
209	CAN_C0L	CAN Interface 0 - Low Line	PINTYP_COM_CANL	-	-
210	CAN_C1L	CAN Interface 1 - Low Line	PINTYP_COM_CANL	-	-
211	CAN_C2L	CAN Interface 2 - Low Line	PINTYP_COM_CANL	-	-
212	CAN_C3L	CAN Interface 3 - Low Line	PINTYP_COM_CANL	-	-
213	CAN_C4L	CAN Interface 4 - Low Line	PINTYP_COM_CANL	-	-
214	CAN_C5L	CAN Interface 5 - Low Line	PINTYP_COM_CANL	-	-

215	CAN_C6L	CAN Interface 6 - Low Line	PINTYP_COM_CANL	-	-
LIN					
208	LIN	LIN Physical Layer Interface (Bidirectional)	PINTYP_NA	-	-

C1 Inputs and Outputs

Pin	*Electrical Symbol*	*Description*	*Pin Configuration*	*Block Type*	*Block Name*
Analog Input 3 Mode (VIN:5V / CIN:25mA / RES:100k)					
103	103	Transmission 1 pressure sensor	PINTYP_CIN	InCur	Transmission1PressureSensor
104	104	Delta arm 1 angular sensor	PINTYP_CIN	InCurDbl	DeltaArmAngularSensor
105	105	Arrow arm 1 angular sensor	PINTYP_CIN	InCurDbl	ArrowArmAngularSensor
106	106	Gas gauge	PINTYP_RES	InResist	GasGauge
127	127	Transmission 2 pressure sensor	PINTYP_CIN	InCur	Transmission2PressureSensor
128	128	Delta arm 2 angular sensor	PINTYP_CIN	InCurDbl	DeltaArmAngularSensor
129	129	Arrow arm 2 angular sensor	PINTYP_CIN	InCurDbl	ArrowArmAngularSensor
130	130	PIN_130	PINTYP_NA	-	-
Analog Input 2 Mode (VIN:5V/10V / CIN:25mA)					
107	107	Stop Motor info	PINTYP_VIN	SwiNo	StopMotorInfo
131	131	Turret post selector	PINTYP_VIN	SwiNo	TurretPostSelector
108	108	Radio post selector	PINTYP_VIN	SwiNo	RadioPostSelector
132	132	Nacelle post selector	PINTYP_VIN	SwiNo	NacellePostSelector
109	109	Oil pressure	PINTYP_VIN	SwiNo	OilPressure
133	133	Water temperature	PINTYP_VIN	SwiNo	WaterTemperature
110	110	PIN_110	PINTYP_NA	-	-
134	134	PIN_134	PINTYP_NA	-	-
Analog Input 2 Mode (VIN:5V/32V / CIN:25mA)					
111	111	Fault pvg delta arm	PINTYP_VIN	InVolt	FaultPvgDeltaArm
135	135	Fault pvg boom arm	PINTYP_VIN	InVolt	FaultPvgBoomArm

112	112	Fault pvg telescope arm	PINTYP_VIN	InVolt	FaultPvgTelescopeArm
136	136	Fault pvg ev pro tor	PINTYP_VIN	InVolt	FaultPvgEvProTOR
113	113	Entry telescope Fdc Sensor	PINTYP_VIN	SwiNo	EntryTelescopeFdcSensor
137	137	Aru1	PINTYP_VIN	SwiNo	Aru1
114	114	PIN_114	PINTYP_VIN	-	-
138	138	Aru2	PINTYP_VIN	SwiNo	Aru2
Timer Inputs (FIN / FIN-Pair / VIN / DIN / CurLoop)					
115	115	PIN_115	PINTYP_NA	-	-
139	139	PIN_139	PINTYP_NA	-	-
116	116	PIN_116	PINTYP_NA	-	-
140	140	PIN_140	PINTYP_NA	-	-
117	117	Delta arm floded sensor	PINTYP_VIN	SwiNo	DeltaArmFoldedSensor
141	141	Boom arm folded sensor	PINTYP_VIN	SwiNo	BoomArmFoldedSensor
Timer Inputs (FIN / FIN-Pair / VIN / DIN)					
122	122	Forcing motor regime	PINTYP_VIN	-	-
146	146	PIN_146	PINTYP_NA	-	-
123	123	PIN_123	PINTYP_CPX	InFreq	RegimeMoteurAlternator
147	147	PIN_147	PINTYP_NA	-	-
124	124	Active help	PINTYP_VIN	SwiNo	ActiveHelp
148	148	Alternator charge OK	PINTYP_VIN	SwiNo	AlternatorChargeOK
High-Side PWM Outputs (PWM_C / DOU_C / DIN)					
153	153	Suplly Ana Sensors	PINTYP_DOU	DIG	SupllyAnaSensors
177	177	PIN_177	PINTYP_DOU	DIG	EvSelectorRotTurret
156	156	EV prop motor accelerator	PINTYP_PWM	PRO	EvPropMotorAccelerator
180	180	Ev prop generator	PINTYP_PWM	PRO	EvPropGenerator
159	159	Ev sync rotation	PINTYP_DOU	DIG	EvSyncRotation
183	183	Noisemarker	PINTYP_DOU	DIG	Noisemaker
186	186	PIN_186	PINTYP_NA	-	-
162	162	PIN_162	PINTYP_NA	-	-
189	189	PIN_189	PINTYP_NA	-	-
165	165	PIN_165	PINTYP_NA	-	-
192	192	PIN_192	PINTYP_NA	-	-

168	168	PIN_168	PINTYP_NA	-	-
195	195	PIN_195	PINTYP_NA	-	-
171	171	PIN_171	PINTYP_NA	-	-
154	154	Ev rotation turret clockwise	PINTYP_DOU	DIG	EvRotTurretClkwise
178	178	Ev rotation turret counter clockwise	PINTYP_DOU	DIG	EvRotTurretCtClkwise
157	157	Ev roration basket counter clockwise	PINTYP_DOU	DIG	EvRotBasketCtClkwise
181	181	Ev rotation basket clokwise	PINTYP_DOU	DIG	EvRotBasketClkwise
160	160	Ev up pendular	PINTYP_DOU	DIG	EvUpPendular
184	184	Ev down pendular	PINTYP_DOU	DIG	EvDownPendular
187	187	Ev up inclinaison basket	PINTYP_DOU	DIG	EvUpInclinaisonBasket
163	163	Ev down inclinaison basket	PINTYP_DOU	DIG	EvDownInclinaisonBasket
190	190	PIN_190	PINTYP_NA	-	-
166	166	PIN_166	PINTYP_NA	-	-
193	193	PIN_193	PINTYP_NA	-	-
169	169	PIN_169	PINTYP_NA	-	-
196	196	PIN_196	PINTYP_NA	-	-
172	172	PIN_172	PINTYP_NA	-	-
High-Side PWM Outputs (PWN_C / DOU_C / DIN / CPX)					
101	101	PIN_101	PINTYP_NA	-	-
125	125	PIN_125	PINTYP_NA	-	-
150	150	PIN_150	PINTYP_NA	-	-
174	174	Regime motor alternator	PINTYP_CPX	-	-
102	102	PIN_102	PINTYP_NA	-	-
126	126	PIN_126	PINTYP_NA	-	-
151	151	PIN_151	PINTYP_NA	-	-
175	175	PIN_175	PINTYP_NA	-	-
High-Side Digital Outputs (DOU_CV / VIN / DIN) (Option LED Driver)					
149	149	Blue fire	PINTYP_DOU	DIG	BlueFire
173	173	Orange flashing light	PINTYP_DOU	DIG	OrangeFlashingLight
152	152	Supply Tor sensors	PINTYP_DOU	DIG	SupllyTorSensors
176	176	Overload security	PINTYP_DOU	DIG	OverloadSecurity
155	155	Anti Start up	PINTYP_DOU	DIG	AntiStartup

179	179	Stop motor	PINTYP_DOU	DIG	StopMotor
158	158	Warming	PINTYP_DOU	DIG	Warming
182	182	Ev Bypass	PINTYP_DOU	DIG	EvBypass
Low-Side Digital Outputs (DOU_C / VIN / DIN)					
251	251	PIN_251	PINTYP_NA	-	-
238	238	Return low side Ev pro acc motor	PINTYP_DOU	DIG	ReturnLowSideEvProAccMotor
252	252	Return low side ev pro generator	PINTYP_DOU	DIG	ReturnLowSideEvProGenerator
239	239	PIN_239	PINTYP_NA	-	-
253	253	PIN_253	PINTYP_NA	-	-
240	240	PIN_240	PINTYP_NA	-	-
254	254	PIN_254	PINTYP_NA	-	-
241	241	PIN_241	PINTYP_NA	-	-
PVG/VOUT/High-Side Digital Outputs (VOU / DOU_CV / VIN 32V / DIN) (Option LED Driver HS)					
161	161	Pvg Delta arm	PINTYP_VOU	OutVoltPro	PvgDeltaArm
185	185	Pvg arrow arm	PINTYP_VOU	OutVoltPro	PvgArrowArm
188	188	Pvg telescope arm	PINTYP_VOU	OutVoltPro	PvgTelescopeArm
164	164	Pvg prop Ev Tor	PINTYP_VOU	OutVoltPro	PvgPropEvTOR
191	191	Suplly Pvg Delta Arm	PINTYP_DOU	DIG	SupplyPvgDeltaArm
167	167	Suplly Pvg Boom Arm	PINTYP_DOU	DIG	SupplyPvgBoomArm
194	194	Suplly Pvg Telescope Arm	PINTYP_DOU	DIG	SupplyPvgTelescopeArm
170	170	Suplly Pvg Prop Ev Tor	PINTYP_DOU	DIG	SupplyPvgPropEvTOR
System Pin ReadOnly					
201	SYS_BAT	Battery voltage	PINTYP_SYS	-	-
207	SYS_K15	K15	PINTYP_SYS	-	-
SYS_TEM	SYS_TEMP	BoardTemperature	PINTYP_SYS	-	-
SYS_REF	SYS_REF	2.5V reference voltage	PINTYP_SYS	-	-
System Pin ReadWrite					
247	SYS_S0	5.0V DC Sensor Voltage Supply #0 (alway ON)	PINTYP_SYS	-	-
234	SYS_S1	5.0V DC Sensor Voltage Supply #1 (alway ON)	PINTYP_SYS	-	-

221	SYS_S2	5V..10V DC Variable Sensor Voltage Supply #2 (alway ON)	PINTYP_SYS	-	-
None-Functional System Pin					
246	SYS_BAT_CPU	CPU Battery voltage	PINTYP_SYS_NONE_FUNCTIONAL	-	-
202	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
203	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
204	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
205	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
206	SYS_BAT_SUPPLY	Battery voltage Supply	PINTYP_SYS_NONE_FUNCTIONAL	-	-
217	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
230	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
243	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
244	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
245	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
256	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
257	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
258	SYS_SGND	Sensor Ground	PINTYP_SYS_NONE_FUNCTIONAL	-	-
Can High					

222	CAN_C0H	CAN Interface 0 - High Line	PINTYP_COM_CANH	-	-
223	CAN_C1H	CAN Interface 1 - High Line	PINTYP_COM_CANH	-	-
224	CAN_C2H	CAN Interface 2 - High Line	PINTYP_COM_CANH	-	-
225	CAN_C3H	CAN Interface 3 - High Line	PINTYP_COM_CANH	-	-
226	CAN_C4H	CAN Interface 4 - High Line	PINTYP_COM_CANH	-	-
227	CAN_C5H	CAN Interface 5 - High Line	PINTYP_COM_CANH	-	-
228	CAN_C6H	CAN Interface 6 - High Line	PINTYP_COM_CANH	-	-
Can Low					
209	CAN_C0L	CAN Interface 0 - Low Line	PINTYP_COM_CANL	-	-
210	CAN_C1L	CAN Interface 1 - Low Line	PINTYP_COM_CANL	-	-
211	CAN_C2L	CAN Interface 2 - Low Line	PINTYP_COM_CANL	-	-
212	CAN_C3L	CAN Interface 3 - Low Line	PINTYP_COM_CANL	-	-
213	CAN_C4L	CAN Interface 4 - Low Line	PINTYP_COM_CANL	-	-
214	CAN_C5L	CAN Interface 5 - Low Line	PINTYP_COM_CANL	-	-
215	CAN_C6L	CAN Interface 6 - Low Line	PINTYP_COM_CANL	-	-
LIN					
208	LIN	LIN Physical Layer Interface (Bidirectional)	PINTYP_NA	-	-