Door Locking function is used to control the corresponding Door Solenoid that is used to lock and unlock the corresponding Door.

Hardware - Software Requirements

Solenoid Behavior will be model with and RGB LED that will be used to indicate when the Door is LOCK or UNLOCK.

When RGB become Green (0,100,0), then it shall indicate Door is UNLOCK.

When RGB become Red (100,0,0), then it shall indicate Door is LOCK.

When RGB become any other value different from Green or Red, then it shall be considered invalid.

Door Locking Configuration

The Data Identifier \$0180 (DID_0180) has the purpose to configurate the duration of the LED on time for Lock and Unlock actuations for Door Locking functionality.

DID_0180. UnlockBlinkTime resolution is 10 ms.

DID_0180. UnlockBlinkTime default value is 10 (100ms)

DID_0180. LockBlinkTime resolution is 10 ms.

DID_0180. LockBlinkTime default value is 10 (100ms)

Software Requirements

TOCK DOOR ACTUATION

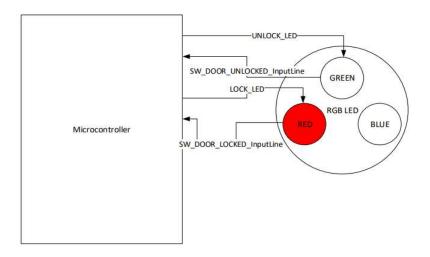
LOCK_DOOR_ ACTUATION function is executed when the operation to lock the door is executed.

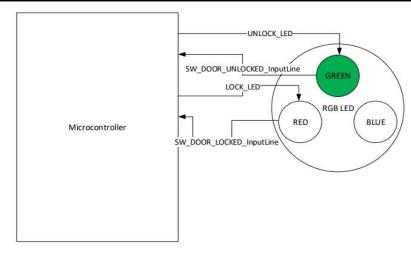
The sequence for LOCK_DOOR_ACTUATION shall be first to turn off UNLOCK_LED, then to hold states during 100 milliseconds, and finally to turn on LOCK_LED.

UNLOCK DOOR ACTUATION

UNLOCK_DOOR_ ACTUATION function is executed when the operation to unlock the door is executed.

The sequence for LOCK_DOOR_ ACTUATION shall be first to turn off LOCK_LED, then to hold states during 100 milliseconds, and finally to turn on UNLOCK_LED.





Driver Door and Passenger Door are allowed to execute Door Locking Manual Mode.

LOCK_DOOR_ACTUATION

Driver Door

If LOCK_BTN of the Driver Door DCU (CAN frame DCU 1) transitions from BTN_NOT_PRESSED to BTN_PRESSED, then LOCK_DOOR_ACTUATION shall be executed on Driver Door.

If LOCK_BTN and UNLOCK_BTN of the Driver Door DCU (CAN frame DCU 1) are pressed, then LOCK_DOOR_ACTUATION shall not be executed on Driver Door.

If LOCK_BTN and UNLOCK_BTN of the Driver Door DCU (CAN frame DCU 1) are not pressed, then LOCK_DOOR_ACTUATION shall not be executed on Driver Door.

Passenger Doo

If LOCK_BTN of the Passenger Door DCU (CAN frame DCU_2) transitions from BTN_NOT_PRESSED to BTN_PRESSED, then LOCK_DOOR_ACTUATION shall be executed on Passenger Door.

If LOCK_BTN and UNLOCK_BTN of the Passenger Door DCU (CAN frame DCU_2) are pressed, then LOCK_DOOR_ ACTUATION shall not be executed on Passenger Door.

If LOCK_BTN and UNLOCK_BTN of the Passenger Door DCU (CAN frame DCU_2) are not pressed, then LOCK_DOOR_ACTUATION shall not be executed on Passenger Door.

LINILOCK DOOR ACTUATION

Driver Door

if UNLOCK_BTN of the Driver Door DCU (CAN frame DCU_1) transitions from BTN_NOT_PRESSED to BTN_PRESSED, then UNLOCK_DOOR_ACTUATION shall be executed on Driver Door.

If LOCK_BTN and UNLOCK_BTN of the Driver Door DCU (CAN frame DCU_1) are pressed, then UNLOCK_DOOR_ACTUATION shall not be executed on Driver Door.

If LOCK_BTN and UNLOCK_BTN of the Driver Door DCU (CAN frame DCU 1) are not pressed, then UNLOCK_DOOR_ACTUATION shall not be executed on Driver Door.

Passenger Door

If UNLOCK BTN of the Passenger Door DCU (CAN frame DCU 2) transitions from BTN NOT PRESSED to BTN PRESSED, then UNLOCK DOOR ACTUATION shall be executed on Passenger Door.

If LOCK_BTN and UNLOCK_BTN of the Passenger Door DCU (CAN frame DCU_2) are pressed, then UNLOCK_DOOR_ACTUATION shall not be executed on Passenger Door.

If LOCK_BTN and UNLOCK_BTN of the Passenger Door DCU (CAN frame DCU_2) are not pressed, then UNLOCK_DOOR_ACTUATION shall not be executed on Passenger Door.

If the message for Remote Operation from BCM request via CAN network is authenticated from the corresponding source, then All Doors shall execute Door Locking.

Depending on the Door Locking operations shall be executed from requests from Driver Door or Passenger Door.

LockingReq is a signal that reports to the network the Lock or Unlock request to Body Control Module.

NO_LOCKING_REQ is the value that indicates that there is no Lock or Unlock command request.

LOCK_REQ is the value that indicates that user has requested a LOCK request operation.

UNLOCK_REQ is the value that indicates that user has requested a UNLOCK request operation.

ConfortCmd is a signal that contains the Confort Command, and it represents the Confort Operation for the vehicle.

NoCmd represents No Command to execute.

LockCmd represents Lock Command.

UnlockAllCmd represents Unlock Command for all Doors.

UnlockDrvrCmd represents Unlock Command for Driver Door only.

LOCK_DOOR_ACTUATION

Driver Door

If DCU_2.LockingReq (CAN frame DCU_2 Byte 1) signal transitions from NO_LOCKING_REQ value (0x00) to LOCK_REQ value (0x01), then Driver Door shall execute LOCK_DOOR_ACTUATION.

Passenger Door

If signal DCU 1.LockingReg (CAN frame DCU 1 Byte 1) transitions from NO LOCKING REQ value (0x00) to LOCK REQ value (0x01), then Passenger Door shall execute LOCK DOOR ACTUATION.

RearLeft Door

If signal DCU 1.LockingReq (CAN frame DCU 1 Byte 1) transitions from NO LOCKING REQ value (0x00) to LOCK REQ value (0x01), then RearLeft Door shall execute LOCK DOOR ACTUATION.

If signal DCU_2.LockingReq (CAN frame DCU_2 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to LOCK_REQ value (0x01), then RearLeft Door shall execute LOCK_DOOR_ACTUATION.

RearRight Door

If signal DCU 1.LockingReq (CAN frame DCU 1 Byte 1) transitions from NO LOCKING REQ value (0x00) to LOCK REQ value (0x01), then RearRight Door shall execute LOCK DOOR ACTUATION.

When signal DCU_2.LockingReq (CAN frame DCU_1 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to LOCK_REQ value (0x01), then RearRight Door shall execute LOCK_DOOR_ACTUATION.

UNLOCK_DOOR_ACTUATION

Driver Door

If signal DCU 2.LockingReq (CAN frame DCU 2 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to UNLOCK_REQ value (0x02), then Driver Door shall execute UNLOCK_DOOR_ACTUATION.

If signal BCM_2.ConfortCmd (CAN frame BCM_2 Byte 2) transitions from No Cmd value (0x00) to UnlockDrvrCmd value (0x03), then UNLOCK_DOOR_ACTUATION shall be executed only for Driver Door.

Passenger Door

If signal DCU_1.LockingReq (CAN frame DCU_1Byte 1) transitions from NO_LOCKING_REQ value (0x00) to UNLOCK_REQ value (0x02), then Passenger Door shall execute UNLOCK_DOOR_ACTUATION.

RearLeft Door

If signal DCU_1.LockingReq (CAN frame DCU_1 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to UNLOCK_REQ value (0x02), then RearLeft Door shall execute UNLOCK_DOOR_ACTUATION.

If signal DCU_2.LockingReq (CAN frame DCU_2 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to UNLOCK_REQ value (0x02), then RearLeft Door shall execute UNLOCK_DOOR_ACTUATION.

RearRight Door

If signal DCU_1.LockingReq (CAN frame DCU_1 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to UNLOCK_REQ value (0x02), then RearRight Door shall execute UNLOCK_DOOR_ACTUATION.

If signal DCU_2.LockingReq (CAN frame DCU_2 Byte 1) transitions from NO_LOCKING_REQ value (0x00) to UNLOCK_REQ value (0x02), then RearRight Door shall execute UNLOCK_DOOR_ACTUATION.



LOCK_DOOR_ACTUATION

ILOOK_BTN of the DCU transitions from BTN_NOT_PRESSED to BTN_PRESSED, then Driver Door shall transmit signal DCU_LlockingReq (CAN frame DCU_1 Byte 1) with a value equal to 0x01 (LOCK_REQ) only once. After that, Driver Door shall set DCU_LlockingReq (CAN frame DCU_1 Byte 1) back to 0x00 (NO_LOCKING_REQ) and keep it like this as long as there is no lock/unlock request from LOCK_BTN/UNLOCK_BTN.
If LOCK_BTN of the DCU transitions from BTN_NOT_PRESSED to BTN_PRESSED, then Passenger Door shall transmit signal DCU_LlockingReq (CAN frame DCU_2 Byte 1) with a value equal to 0x01 (LOCK_REQ) only once. After that, Passenger Door shall set DCU_LlockingReq (CAN frame DCU_2 Byte 1) back to 0x00 (NO_LOCKING_REQ) and keep it like this as long as there is no lock/unlock request from LOCK_BTN/UNLOCK_BTN.
UNLOCK_DOOR_ACTUATION

If UNLOCK_BTN of the DCU transitions from BTN_NOT_PRESSED, then Driver Door shall transmit signal DCU_LlockingReq (CAN frame DCU_1 Byte 1) with a value equal to 0x02 (UNLOCK_REQ) only once. After that, Driver Door shall set DCU_LlockingReq (CAN frame DCU_1 Byte 1) back to 0x00 (NO_LOCKINC_REQ) and keep it like this as long as there is no lock/unlock request from LOCK_BTN/UNLOCK_BTN.
If UNLOCK_BTN of the DCU transitions from BTN_NOT_PRESSED to BTN_PRESSED, then Passenger Door shall transmit signal DCU_2.LockingReq (CAN frame DCU_2 Byte 1) with a value equal to 0x02 (UNLOCK_REQ) only once. After that, Driver Door shall set DCU_2.DockingReq (CAN frame DCU_2 Byte 1) back to 0x00 (NO_LOCKING_REQ) and keep it like this as long as there is no lock/unlock request from LOCK_BTN/UNLOCK_BTN.
Door tools Status Determination

If SW_DOOR_LOCKED is determined as SW_ACTIVE, then Door shall be considered as Locked.

DOOR_UNLOCKED

If SW_DOOR_UNLOCKED is determined as SW_ACTIVE, then Door shall be considered as Unlocked.

DOOR_ERROR

SW_DOOR_LOCKED and SW_DOOR_UNLOCKED are determined as SW_ACTIVE during 10 samples of 10 ms consecutively each, then Door Lock shall be considered as DOOR_ERROR.

IN DOOR_LOCKED or DOOR_UNLOCKED status has been determined without a DOOR_ERROR after Door Locking functionally is re-enabled after a power cycle (HW Diagnostics), then DOOR_ERROR shall not be considered present.

HW Diagnostics

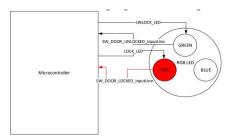
To Door Lock is considered as DOOR_ERROR, then Door Locking functionally shall be disable until next power cycle. (Transition OFF >> RUN).

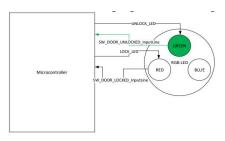
If Door is considered as DOOR_ERROR, then Door Locking functionally shall be disable until next power cycle. (Transition OFF >> RUN).

If Door is considered as DOOR_ERROR, the corresponding DTC for Passenger Door Position Error Detected shall be set as DTC: 0xA00200.
If Door is considered as DOOR_ERROR, the corresponding DTC for RearRight Door Position Error Detected shall be set as DTC: 0xA00300.

If Door is considered as DOOR_ERROR, the corresponding DTC for RearLeft Door Position Error Detected shall be set as DTC: 0xA00400.

If DOOR_ERROR conditions are no longer detected, the corresponding DTC shall be clear.







Doort.ckSts is a signal that reports the Door Lock Status.

DOOR, LINCKOK is the value that indicates Door is currently Locked.

DOOR, LINCKOK is the value that indicates Door is currently Locked.

DOOR, LINCKOW is the value that indicates Door is in an Unknown State.

ERROR is the value that indicates Door is in an Unknown State.

ERROR is the value that indicates Door is in an Unknown State.

ERROR is the value that indicates Door is in an Unknown State.

SpiPowndod is the signal that contains the System Power Mode that will be used for the ECU to know the ignition Status of the system.

Run is the value that indicates Door is in Run Mode.

If all least one of the Doort.cock Sts, from DCU_1, DCU_2, DCU_3 and DCU_4, (CAN frame DCU Byte 1) is equal toDOOR, UNLOCK value (0x01) and Vehicle Speed indicates equal or greater than 20km/h and System Power Mode (CAN frame BCM_5 Byte 3) is equal to Run value (0x03), then Driver Door shall report command LockingReq (CAN frame DCU_1 Byte 1) as LOCK_REQ value (0x01).

Auto Lock While Driving sequeuries be received by BCM and reported as Confortced (CAN frame BCM_2 Byte 2) with value Lock/Leg (0x01).

Auto Lock While Driving sequeuries but not take more than 500ms since Vehicle Speed and System Power Mode are met.

| Frame BCM 5 | SysPwrMode |
|-------------|------------|
| | - / - |

| Message Layout | | | | | | | | | |
|----------------|----------|--------|--------|------------|--------|---------|--------|--------|--------|
| ID | BYTE 0 | BYTE 1 | BYTE 2 | BYTE 3 | BYTE 4 | BYTE 5 | BYTE 6 | BYTE 7 | PERIOD |
| 0x110 | BCM_5_MC | Х | Х | SysPwrMode | | BCM_5_0 | CMAC | | 500 ms |

| | Signals Description | | | | | | | | |
|-------------|---------------------------|--|---|--|--|--|--|--|--|
| BCM_5_MC | This is the Message Co | his is the Message Counter of the BCM_5 frame. | | | | | | | |
| | This signal shall go bet | ween 0 and 255 with incren | ments of 1. | | | | | | |
| | This signal shall be upo | lated every time the telegra | nm is transmitted. | | | | | | |
| | If the signal reaches its | limit (255), then the count | er value shall initialize as 0. | | | | | | |
| SysPwrMode | This Signal contains th | e System Power Mode that | will be used for the ECU to know the Ignition Status of the system. | | | | | | |
| | 0x00 | (SNA) | Signal Not Available. | | | | | | |
| | 0x01 | (OFF) | Vehicle is OFF. | | | | | | |
| | 0x02 | (ACC) | Vehicle is in Accessory. | | | | | | |
| | 0x03 | (RUN) | Vehicle is in Run Mode. | | | | | | |
| | 0x04 | (CRANK) | Vehicle is doing Ignition. | | | | | | |
| | Values different than t | his shall be considered as IN | NVALID Data. | | | | | | |
| BCM_5_CMAC: | This is a 32 bytes CMA | C used to authenticate the | source of this message. | | | | | | |
| | If the CMAC is not vali | d then the content of the w | hole message shall be ignored. | | | | | | |

Frame BCM_2

| Message Layout | | | | | | | | | |
|----------------|----------|--------|------------|--------|--------|---------|--------|--------|--------|
| ID | BYTE 0 | BYTE 1 | BYTE 2 | BYTE 3 | BYTE 4 | BYTE 5 | BYTE 6 | BYTE 7 | PERIOD |
| 0x252 | BCM_2_MC | Х | ConfortCmd | Х | | BCM_2_0 | MAC | | 500 ms |

| | Signals Description | | | | | | | | |
|-------------|----------------------|---|---|--|--|--|--|--|--|
| BCM_2_MC | This is theMessag | his is theMessage Counter of the BCM_frame. | | | | | | | |
| | This signal shall go | o between 0 and 255 with increme | nts of 1. | | | | | | |
| | This signal shall be | e updated every time the telegram | is transmitted. | | | | | | |
| | If the signal reach | es its limit (255), then the counter | value shall initialize as 0. | | | | | | |
| ConfortCmd | This Signal contain | ns the Confort Command and it rep | presents the confort operation for the vehicle. | | | | | | |
| | 0x00 | (No Cmd) | No command to excuse | | | | | | |
| | 0x01 | (LockCmd) | Represents Lock Command | | | | | | |
| | 0x02 | (UnlockAllCmd) | Represents Unlock Command for all Doors. | | | | | | |
| | 0x03 | (UnlockDrvrCmd) | Represents Unlock Command for Driver Door only. | | | | | | |
| | Values different tl | Values different than this shall be considered as INVALID Data. | | | | | | | |
| BCM_2_CMAC: | This is a 32 bytes | nis is a 32 bytes CMAC used to aauthenticat the source of this message. | | | | | | | |
| | If the CMAC is not | t valid then the content of the who | le message shall be ignored. | | | | | | |

Frame DCU_1

| Message Layout | | | | | | | | | |
|----------------|-----------|------------|----------|----------------|-------------|---------------|----------|-----------|--------|
| ID | BYTE 0 | BYTE 1 | BYTE 2 | BYTE 3 | BYTE 4 | BYTE 5 | BYTE 6 | BYTE 7 | PERIOD |
| 0x201 | WindowPos | LockingReq | WindowOp | RearWindowLock | DoorLockSts | WindowControl | DCU_1_MC | DCU_1_CRC | 100 ms |

| | Signals Description | | | | | | | | |
|-----------------|---------------------|--|---------------------|--------------------------------------|-------------------------|-----------------------------|-----------------------|--------------|--|
| WindowPos: | This Signal report | This Signal reports to the network the Driver Window Position. | | | | | | | |
| | 0x00 | (IN_B | ETWEEN) | Window is in betwe | en, this means the | window is not completely OP | EN neither completely | CLOSE. | |
| | 0x01 | (COMPLE | TELY_OPEN) | Window is Complet | ely Open. | | | | |
| | 0x02 | (COMPLE | TELY_CLOSE) | Window is Complet | ely Close. | | | | |
| | 0x03 | (EI | RROR) | Window is on an ER | ROR state. | | | | |
| | Values different t | than this shall be co | onsidered as INVALI | ID Data. | | | | | |
| LockingReq: | This signal report | ts to the network th | ne Lock or Unlock R | equest to Body Control | Module. | | | | |
| | 0x00 | (NO_LO | CKING_REQ) | There is no Lock or | Unlock command re | equested. | | | |
| | 0x01 | <u>-</u> | CK_REQ) | User has request a | | | | | |
| | 0x02 | • | OCK_REQ) | User has request a | JNLOCK request op | eration. | | | |
| | | | onsidered as INVALI | ID Data. | | | | | |
| WindowOp: | | ts the windows cur | | | | | | | |
| | 0x00 | | OW_IDLE) | Window is not mov | - | | | | |
| | 0x01 | - | DOW_UP) | Window is doing a | • | | | | |
| | 0x02 | |)W_DOWN) | Window is doing a | Open Operation. | | | | |
| | | | onsidered as INVALI | | | | | | |
| RearWindowLock: | | | | trol operation for Rear | | | | | |
| | 0x00 | | OOW_UNBLOCK) | Rear Windows are allowed to operate. | | | | | |
| | 0x01 | | NDOW_BLOCK) | Rear Windows shall | not operate. | | | | |
| | | | onsidered as INVALI | ID Data. | | | | | |
| DoorLockSts: | | ts the Door Lock St | | | | | | | |
| | 0x00 | | R_LOCK) | Door is currently Lo | | | | | |
| | 0x01 | | _UNLOCK) | Door is currently Ur | | | | | |
| | 0x02 | _ | UNKNOWN) | Door is in an Unkno | | | | | |
| | 0x03 | , | RROR) | Door Position is on | an ERROR state. | | | | |
| | | | onsidered as INVALI | | | | | | |
| WindowControl: | | | | les on the network. | | | 1 | | |
| | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 | |
| | X | Х | WindowCol | ntrol_Passenger | Wind | lowControl_RearLeft | WindowContr | ol_RearRight | |
| | Commands: | | | | | | | | |
| | 0x00 | | W_NO_REQ) | No Window Reques | | | | | |
| | 0x01 | | W_UP_REQ) | | Indicated Window Close. | | | | |
| | 0x02 | • | _DOWN_REQ) | Indicated Window (| Open. | | | | |
| | Values different t | than this shall be co | onsidered as INVALI | ID Data. | | | | | |

| DCU_1_MC: | This is the Message counter of the DCU_1 frame. | | | | |
|------------|---|--|--|--|--|
| | signal shall go between 0 and 255 with increments of 1. | | | | |
| | signal shall be updated every time the telegram is transmitted. | | | | |
| | e signal reaches its limit (255), then the counter value shall initialize as 0. | | | | |
| DCU_1_CRC: | This is the Cyclic Redundancy Check for DCU_1 frame. | | | | |
| | This signal shall be calculated with an CRC8 algorithm from Byte0 to Byte5. | | | | |

Frame DCU_2

| | Message Layout | | | | | | | | |
|-------|----------------|------------|----------|----------|-------------|----------|----------|-----------|--------|
| ID | BYTE 0 | BYTE 1 | BYTE 2 | BYTE 3 | BYTE 4 | BYTE 5 | BYTE 6 | BYTE 7 | PERIOD |
| 0x202 | WindowPos | LockingReq | WindowOp | RESERVED | DoorLockSts | RESERVED | DCU_2_MC | DCU_2_CRC | 100 ms |

| | | | Signals Description |
|--------------|---------------------|---|--|
| WindowPos: | This Signal repor | ts to the network the Passenger Wind | dow Position. |
| | 0x00 | (IN_BETWEEN) | Window is in between, this means the window is not completely OPEN neither completely CLOSE. |
| | 0x01 | (COMPLETELY_OPEN) | Window is Completely Open. |
| | 0x02 | (COMPLETELY_CLOSE) | Window is Completely Close. |
| | 0x03 | (ERROR) | Window is on an ERROR state. |
| | Values different t | than this shall be considered as INVA | LID Data. |
| LockingReq: | This signal report | ts to the network the Lock or Unlock | • |
| | 0x00 | (NO_LOCKING_REQ) | There is no Lock or Unlock command requested. |
| | 0x01 | (LOCK_REQ) | User has request a LOCK request operation. |
| | 0x02 | (UNLOCK_REQ) | User has request a UNLOCK request operation. |
| | | than this shall be considered as INVA | LID Data. |
| WindowOp: | This signal report | ts the windows current Operation. | |
| | 0x00 | (WINDOW_IDLE) | Window is not moving. |
| | 0x01 | (WINDOW_UP) | Window is doing a Close Operation. |
| | 0x02 | (WINDOW_DOWN) | Window is doing a Open Operation. |
| | | than this shall be considered as INVA | LID Data. |
| RESERVED | Reserved bytes s | hall be transmitted ad 0xFF. | |
| DoorLockSts: | This signal report | ts the Door Lock Status. | |
| | 0x00 | (DOOR_LOCK) | Door is currently Locked. |
| | 0x01 | (DOOR_UNLOCK) | Door is currently Unlocked. |
| | 0x02 | (DOOR_UNKNOWN) | Door is in an Unknown State. |
| | 0x03 | (ERROR) | Door Position is on an ERROR state. |
| | Values different t | than this shall be considered as INVA | LID Data. |
| RESERVED | , | hall be transmitted ad 0xFF. | |
| DCU_2_MC: | | ige counter of the DCU_2 frame. | |
| | This signal shall g | go between 0 and 255 with increment | ts of 1. |
| | - | pe updated every time the telegram is | |
| | | hes its limit (255), then the counter v | alue shall initialize as 0. |
| DCU_2_CRC: | | Redundancy Check for DCU_2 fame. | |
| | This signal shall b | pe calculated with an CRC8 algorithm | from Byte0 to Byte5. |

Data Identifier Lists

| DID \$0180: | Door Locking Configuration | | | | | | | |
|------------------|--|---------------|---------------|--|--|--|--|--|
| This DID has th | This DID has the purpose to configurate the duration of the LED on time for Lock and Unlock actuations for Door Locking functionality. | | | | | | | |
| This DID shall s | support service Read DID \$22. | | | | | | | |
| This DID shall s | support service Write DID \$2E. | | | | | | | |
| Write DID oper | ration shall be protected by Extend | led session. | | | | | | |
| Write DID oper | ration shall be protected by securit | y level \$01. | | | | | | |
| ID | Byte 0 | Byte 1 | Byte 2 | | | | | |
| 0x0180 | Unlo | ckBlinkTime | LockBlinkTime | | | | | |
| DID_0180.Unl | ockBlinkTime: | | - | | | | | |
| | Resolution: | 10 ms | | | | | | |
| | Default value: 10 (100 ms) | | | | | | | |
| DID_0180.Lock | DID_0180.LockBlinkTime: | | | | | | | |
| | Resolution: 10 ms | | | | | | | |
| | Default value: 10 (100 ms) | | | | | | | |