

## ERROR CODES of DSA-Family

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## EMCY Message:

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+---+---+---+---+---+---+---+---+
| b0  b1 | b2 | b3 | b4  b5  b6  b7 |
+---+---+---+---+---+---+---+---+

```

```

b0,b1 - Emergency Error Code
b2     - Error Register (Object 1001H)
b3     - = 0
b4,b5  - Manufacturer Error Spec.
b6,b7  - Manufacturer Error Spec. Param

```

## (Manufacturer Error Spec.)

## CANopen (Emergency Error Code)

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ERR_Par_PermanentData_SSI_BadCRC      ( -315 )
ERR_Par_BadVersion                    ( -316 )
ERR_Par_BadCRC                        ( -318 )

ERR_Par_CannotSet_HwLimitIsActive     ( -340 )
ERR_Par_CannotSet_StopOrHaltIsActive  ( -343 )
ERR_Par_CannotSet_AxIsInHomingMode   ( -344 )
ERR_Par_CannotSet_HomingRequired      ( -345 )

ERR_Par_IndexDoesNotExist             ( -350 )
ERR_Par_SubIndexDoesNotExist          ( -351 )

ERR_Com_CommunicationError             ( -501 )
ERR_Com_MasterGuardTimeExceeded       ( -511 )

// Communication Devices Error
//
ERR_Com_CanBusOff                     ( -601 )
ERR_Com_CanOtherError                 ( -609 )

// Device HW Errors
//
ERR_FieldUnderVoltage                 ( -1000 )
ERR_FieldOverVoltage                  ( -1001 )
ERR_MainsUnderVoltage                 ( -1002 )
ERR_MainsOverVoltage                  ( -1003 )

ERR_DeviceOverTemperature              ( -1020 )
ERR_HeatSinkOverTemperature           ( -1021 )
//
ERR_MotShortCircuit                   ( -1060 )

// Regv Errors
//
ERR_Blockage                          ( -3010 )

// Regp Errors
//
ERR_Regp_FollowingError               ( -4000 )
ERR_Regp_FollowingErrorDyn            ( -4001 )
ERR_Regp_ReachedTimeout               ( -4005 )

// Homming
//
ERR_Home_UnknownMethod                ( -4200 )
ERR_Home_IndexNotFound                ( -4201 )
ERR_Home_HwLimitPosReached            ( -4202 )
ERR_Home_HwLimitNegReached            ( -4203 )

// MPU Errors
//
ERR_MPU_BadCode                       ( -6000 )
ERR_MPU_ProgramCounterOutOfRange       ( -6001 )
ERR_MPU_JmpOutOfRange                 ( -6002 )
ERR_MPU_Div0                          ( -6003 )
ERR_MPU_RdErrArg0                     ( -6020 )
ERR_MPU_RdErrArg1                     ( -6021 )
ERR_MPU_WrErrArg0                     ( -6030 )
ERR_MPU_WrErrArg1                     ( -6031 )
ERR_MPU_CallStackOverflow              ( -6040 )
ERR_MPU_CallStackUnderflow            ( -6041 )
ERR_MPU_PrgBadMpuVersion              ( -6050 )
ERR_MPU_PrgBadMpuCode                 ( -6051 )
ERR_MPU_PrgStoreFailed                 ( -6052 )
ERR_MPU_PrgRestoreFailed               ( -6053 )

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ERR_MPU_PrgBadCrc          ( -6054 )

// Fatal Errors (können nicht gelöscht werden - Gerät ist defekt)
//
ERR_Fatal                  (-30000 )   ERRC_ManufacturerSpecific  0xFF00
ERR_BadCodeCRC             (-30001 )
ERR_StackOverflow          (-30002 )
ERR_StackUnderflow        (-30003 )

ERR_SelftestFailed        (-30010 )   ERRC_ManufacturerSpecific  0xFF00

ERR_ImCalibrationFailed   (-30030 )   ERRC_ManufacturerSpecific  0xFF00
ERR_UmCalibrationFailed   (-30031 )   ERRC_ManufacturerSpecific  0xFF00
```