

## Project Documentation

File: master-slave.project

Date: 1/3/2017

Profile: PLC Designer V3.12.0

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# 1 Device: Device

## Users and Groups

Users:

Groups:

## Access Rights

- View
- Modify
- Execute
- Add/remove children

## Information

Name: L-force Panel Controller p500 Motion  
 Vendor: Lenze  
 Categories: SoftMotion PLCs  
 Type: 4102  
 ID: 1028 0180  
 Version: 3.12.0.0  
 Order number: MPC 1200  
 Description: Panel Controller p500 with L-force Motion MPC 1200.



## 1.1 PLC Logic: Plc Logic

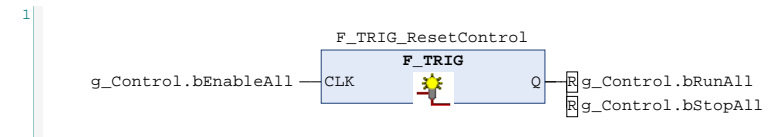
### 1.1.1 Application: Application

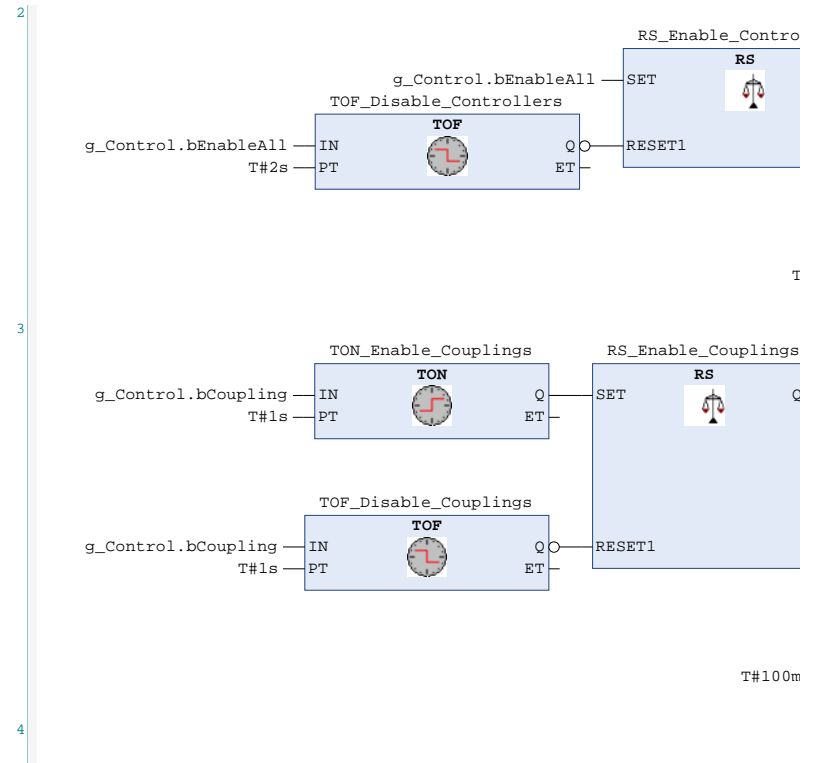
## 1.1.1.1 Folder: Routines

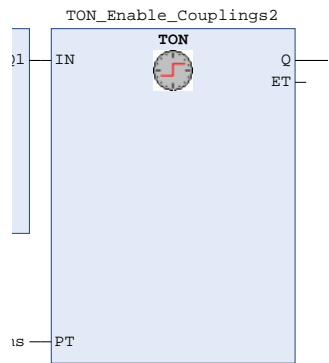
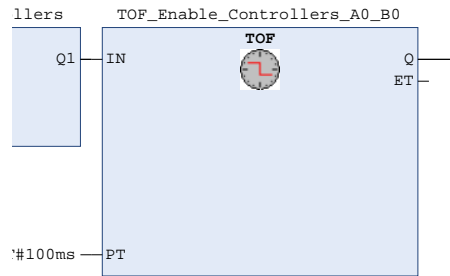
### 1.1.1.1.1 POU: AxesControl

```

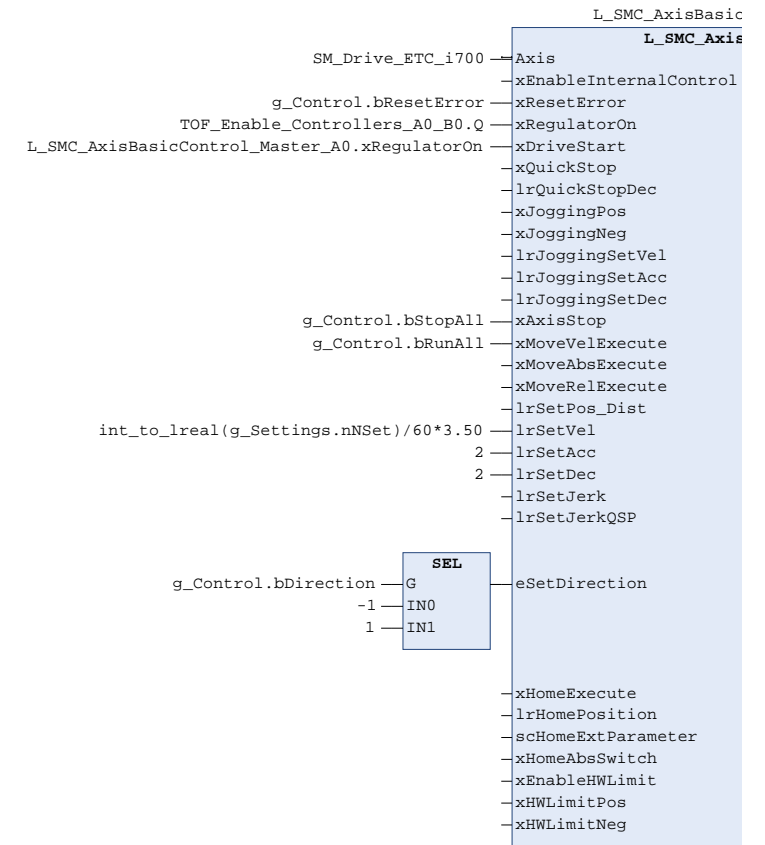
1  PROGRAM AxesControl
2  VAR
3      L_SMC_AxisBasicControl_Master_A0 : L_SMC_AxisBasicControl ;
4      L_SMC_AxisBasicControl_Slave_A1 : L_SMC_AxisBasicControl ;
5      L_SMC_AxisBasicControl_Slave_B0 : L_SMC_AxisBasicControl ;
6      L_SMC_AxisBasicControl_Slave_B1 : L_SMC_AxisBasicControl ;
7
8      MC_GearIn_Slave_A1 : MC_GearIn ;
9      MC_GearIn_Slave_B0 : MC_GearIn ;
10     MC_GearIn_Slave_B1 : MC_GearIn ;
11
12     RS_Enable_Couplings : RS ;
13     RS_Enable_Controllers : RS ;
14
15     TOF_Enable_Controllers_A0_B0 : TOF ;
16
17     TON_Enable_Couplings : TON ;
18     TOF_Disable_Controllers : TOF ;
19     TOF_Disable_Couplings : TOF ;
20
21     TON_ResetError : TON ;
22     TON_Enable_Couplings2 : TON ;
23     F_TRIG_ResetControl : F_TRIG ;
24     gcoupling : BOOL := FALSE ;
25     Integral_NominalSpeed : Integral ;
26 END_VAR
27
    
```



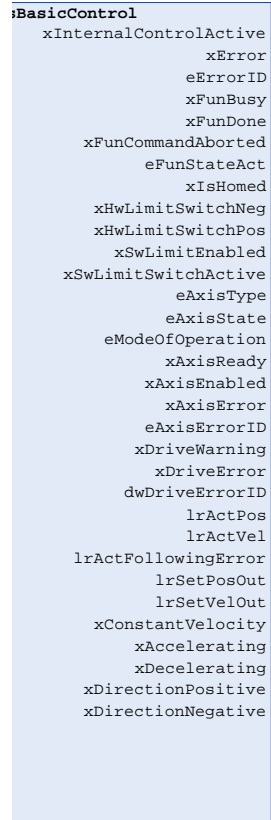




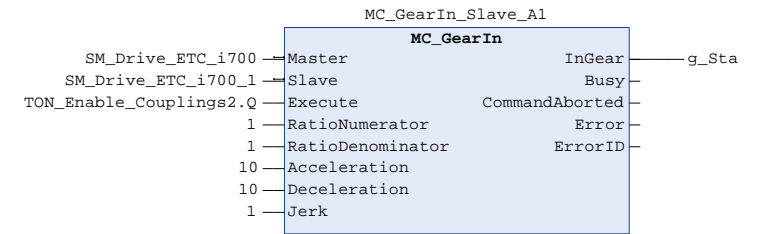
5



:Control\_Master\_A0



6

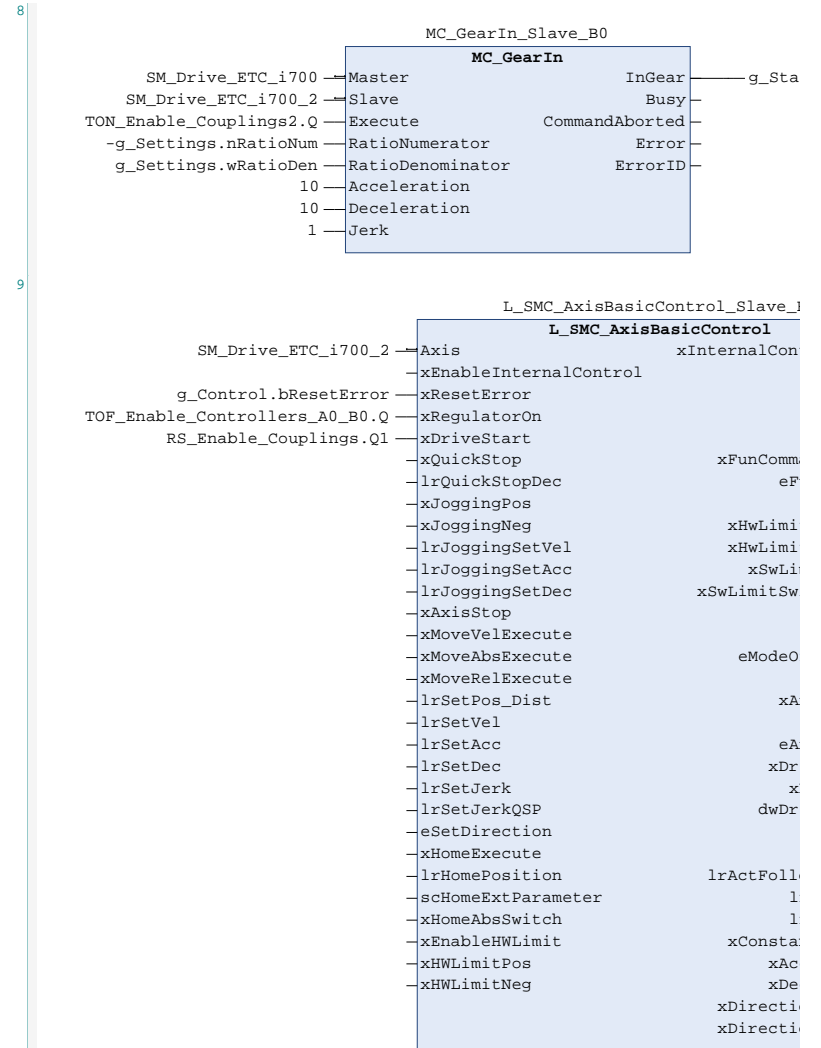


7



tes.bCouplingsOK[0]

tive  
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orID  
Busy  
Done  
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eAct  
omed  
hNeg  
hPos  
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tive



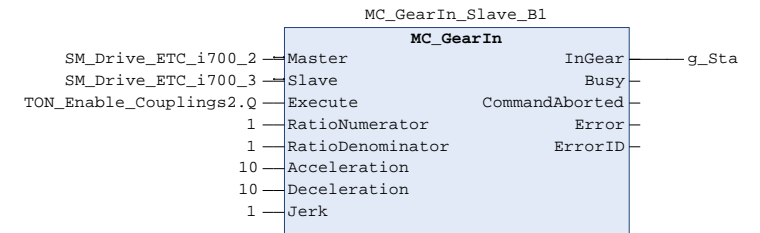
tes.bCouplingsOK[1]

B0

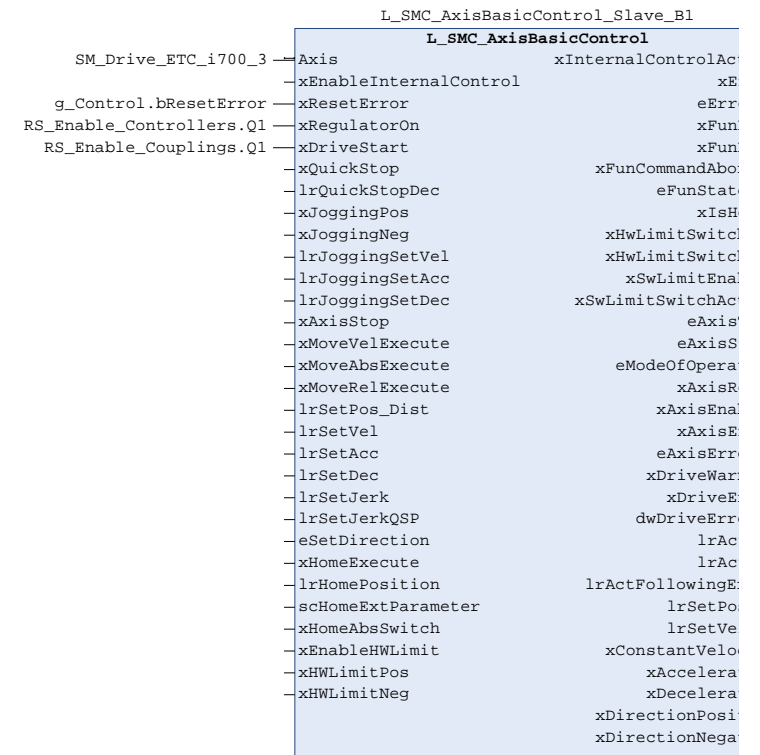
```

trolActive
  xError
  eErrorID
  xFunBusy
  xFunDone
andAborted
unStateAct
  xIsHomed
tSwitchNeg
tSwitchPos
mitEnabled
itchActive
  eAxisType
eAxisState
fOperation
xAxisReady
xisEnabled
xAxisError
xisErrorID
iveWarning
DriveError
iveErrorID
  lrActPos
  lrActVel
owingError
rSetPosOut
rSetVelOut
ntVelocity
celerating
celerating
onPositive
onNegative
    
```

10

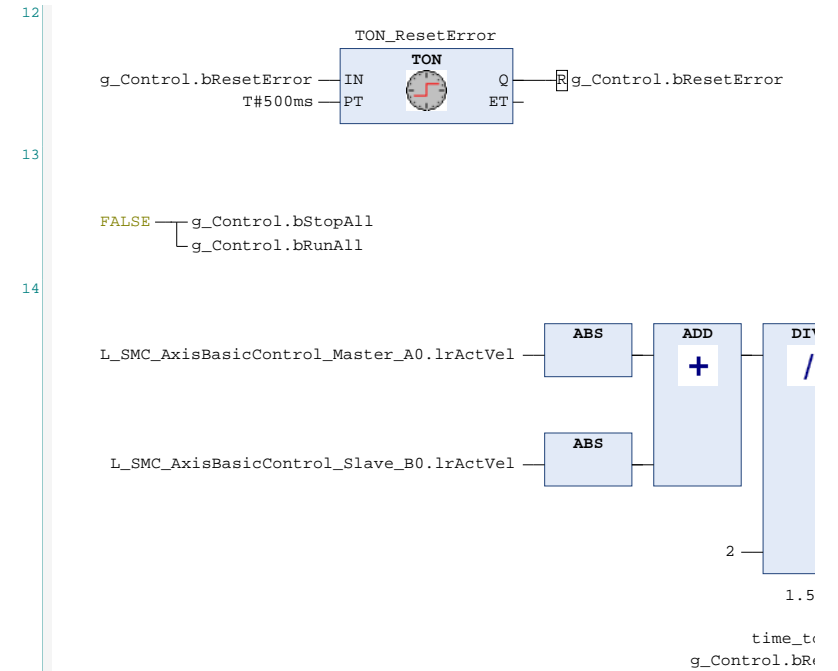


11

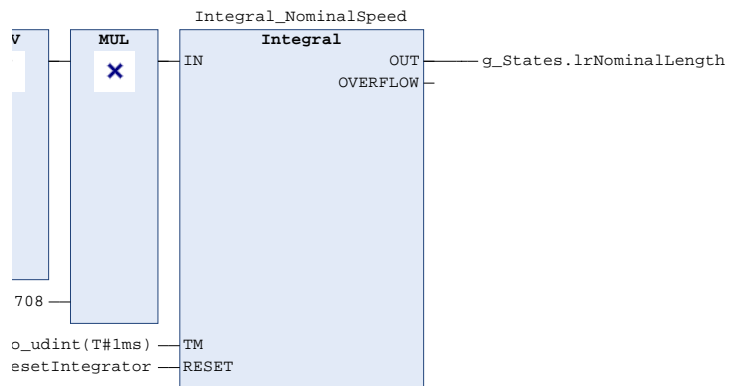


tes.bCouplingsOK[2]

tive  
rror  
orID  
Busy  
Done  
rted  
eAct  
omed  
hNeg  
hPos  
bled  
tive  
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tate  
tion  
eady  
bled  
rror  
orID  
ning  
rror  
orID  
tPos  
tVel  
rror  
sOut  
lOut  
city  
ting  
ting  
tive  
tive







## 1.1.1.1.2 POU: CalcRatio

```

1  PROGRAM CalcRatio
2  VAR
3      wNum_test : WORD := 1;
4      lrI : LREAL;
5      lrD : LREAL := 0.2143;
6      wDen_test : WORD;
7      lrError : LREAL;
8
9      alrMinError : ARRAY [ 0..19 ] OF LREAL;
10
11     wCounter : WORD;
12
13     R_TRIG_StartCalc : R_TRIG;
14 END_VAR
15
16
17 R_TRIG_StartCalc ( CLK := g_Control . bCalcStart );
18
19 IF ( R_TRIG_StartCalc . Q ) THEN
20     FOR wCounter := 0 TO 19 DO alrMinError [ wCounter ] := 1000000;
21 END_FOR
22
23     wNum_test := 1;
24 END_IF
25
26 IF ( g_Control . bCalcStart ) THEN
27     FOR wCounter := 0 TO 19 DO
28         IF ( ( g_Settings . alrUserProgram_Radius [ wCounter ] > 0 ) AND (
29             lrD > 0 ) ) THEN
30             lrI := ( g_Settings . alrUserProgram_Radius [ wCounter ] +
31                 lrD ) / ( g_Settings . alrUserProgram_Radius [ wCounter ] - lrD );
32             wDen_test := LREAL_TO_WORD ( wNum_test / lrI );
33             lrError := ABS ( lrI - WORD_TO_LREAL ( wNum_test ) /
34                 WORD_TO_LREAL ( wDen_test ) );
35
36             IF ( lrError < alrMinError [ wCounter ] ) THEN
37                 alrMinError [ wCounter ] := lrError;
38                 g_Settings . anUserProgram_RatioNum [ wCounter ] :=
39                     WORD_TO_INT ( wNum_test );
40             END_IF
41         END_FOR
42     END_IF
  
```

### 1.1.1.1.2 POU: CalcRatio

```
32           g_Settings . awUserProgram_RatioDen [ wCounter ] :=
wDen_test ;
33
34           END_IF
35
36           END_IF
37       END_FOR
38
39
40
41       g_States . byCalcProgress_percent := LREAL_TO_BYTE ( 100 * WORD_TO_LREAL (
wNum_test ) / 32767 ) ;
42
43       wNum_test := wNum_test + 1 ;
44
45       IF ( wNum_test = 32768 ) THEN g_Control . bCalcStart := FALSE ; END_IF
46
47       ELSE
48
49       g_States . byCalcProgress_percent := 0 ;
50
51       END_IF
52
```

### 1.1.1.1.3 POU: Get\_DeltaN

```
1  FUNCTION Get_DeltaN : INT
2  VAR_INPUT
3      wNominalN : WORD ;
4      nNum : INT ;
5      wDen : WORD ;
6  END_VAR
7  VAR
8      lrI : LREAL ;
9  END_VAR
10
```

```
1  lrI := INT_TO_LREAL ( nNum ) / WORD_TO_LREAL ( wDen ) ;
2
3  Get_DeltaN := LREAL_TO_int ( WORD_TO_LREAL ( wNominalN ) * ( lrI - 1 ) / ( lrI +
1 ) ) ;
4
```

### 1.1.1.1.4 POU: Read\_Axes\_Params

```
1  PROGRAM Read_Axes_Params
2  VAR
3  END_VAR
4
5
```

```
1  g_States . dnAxisSpeed_u [ 0 ] := REAL_TO_DINT ( DINT_TO_REAL (
SM_Drive_ETC_i700 . diActVelocity ) / 2147483648 * 137143 ) ;
2
3  g_States . nAxisTorque_per [ 0 ] := DINT_TO_INT ( SM_Drive_ETC_i700 .
```

### 1.1.1.1.4 POU: Read\_Axes\_Params

```
4  diActTorque ) / 10 ;
5
6  g_States . dnAxisSpeed_u [ 1 ] := REAL_TO_DINT ( DINT_TO_REAL (
SM_Drive_ETC_i700_1 . diActVelocity ) / 2147483648 * 137143 ) ;
7
8  g_States . nAxisTorque_per [ 1 ] := DINT_TO_INT ( SM_Drive_ETC_i700_1 .
diActTorque ) / 10 ;
9
10
11  g_States . dnAxisSpeed_u [ 2 ] := REAL_TO_DINT ( DINT_TO_REAL (
SM_Drive_ETC_i700_2 . diActVelocity ) / 2147483648 * 137143 ) ;
12
13  g_States . nAxisTorque_per [ 2 ] := DINT_TO_INT ( SM_Drive_ETC_i700_2 .
diActTorque ) / 10 ;
14
15
16  g_States . dnAxisSpeed_u [ 3 ] := REAL_TO_DINT ( DINT_TO_REAL (
SM_Drive_ETC_i700_3 . diActVelocity ) / 2147483648 * 137143 ) ;
17
18  g_States . nAxisTorque_per [ 3 ] := DINT_TO_INT ( SM_Drive_ETC_i700_3 .
diActTorque ) / 10 ;
19
```

### 1.1.1.1.5 POU: Visualization\_data\_exchange

```
1  PROGRAM Visualization_data_exchange
2  VAR
3  END_VAR
4
```

```
1  g_abDO ;
2  g_abDI ;
3
4
5  g_States . bError := AxesControl . L_SMC_AxisBasicControl_Master_A0 .
xAxisError OR
6
7  OR
8  AxesControl . L_SMC_AxisBasicControl_Slave_A1 . xAxisError
9
10  OR
11  AxesControl . L_SMC_AxisBasicControl_Slave_B0 . xAxisError
12
13  OR
14  AxesControl . L_SMC_AxisBasicControl_Slave_B1 . xAxisError
15
16  ;
17
18  g_States . bReadyAll := AxesControl . L_SMC_AxisBasicControl_Master_A0 .
xAxisReady OR
19
20  OR
21  AxesControl . L_SMC_AxisBasicControl_Slave_A1 .
xAxisReady OR
22
23  OR
24  AxesControl . L_SMC_AxisBasicControl_Slave_B0 .
xAxisReady OR
25
26  OR
27  AxesControl . L_SMC_AxisBasicControl_Slave_B1 .
xAxisReady ;
28
29  g_States . bEnabledAll := AxesControl . L_SMC_AxisBasicControl_Master_A0 .
```

1.1.1.1.5 POU: Visualization\_data\_exchange

```

18   xAxisEnabled and          AxesControl . L_SMC_AxisBasicControl_Slave_A1 .
19   xAxisEnabled AND         AxesControl . L_SMC_AxisBasicControl_Slave_B0 .
20   xAxisEnabled AND         AxesControl . L_SMC_AxisBasicControl_Slave_B1 .
21   xAxisEnabled ;

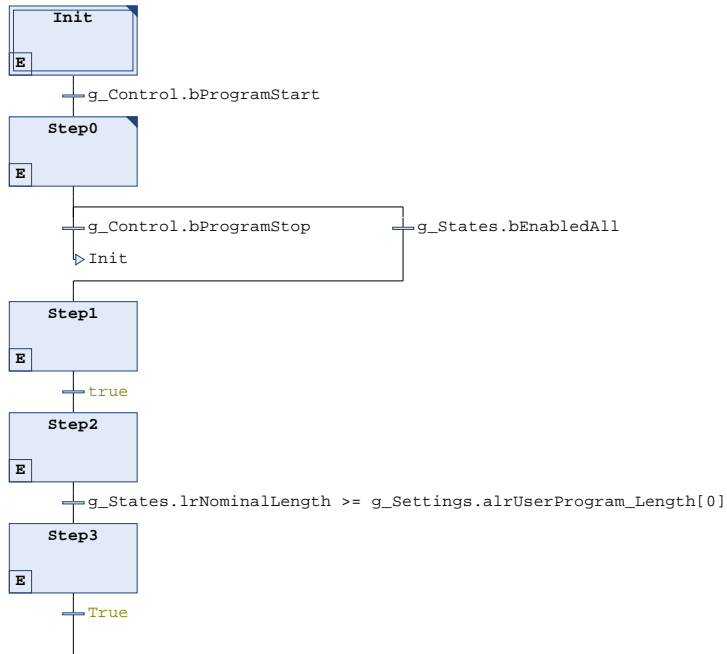
```

1.1.1.1.6 POU: \_main

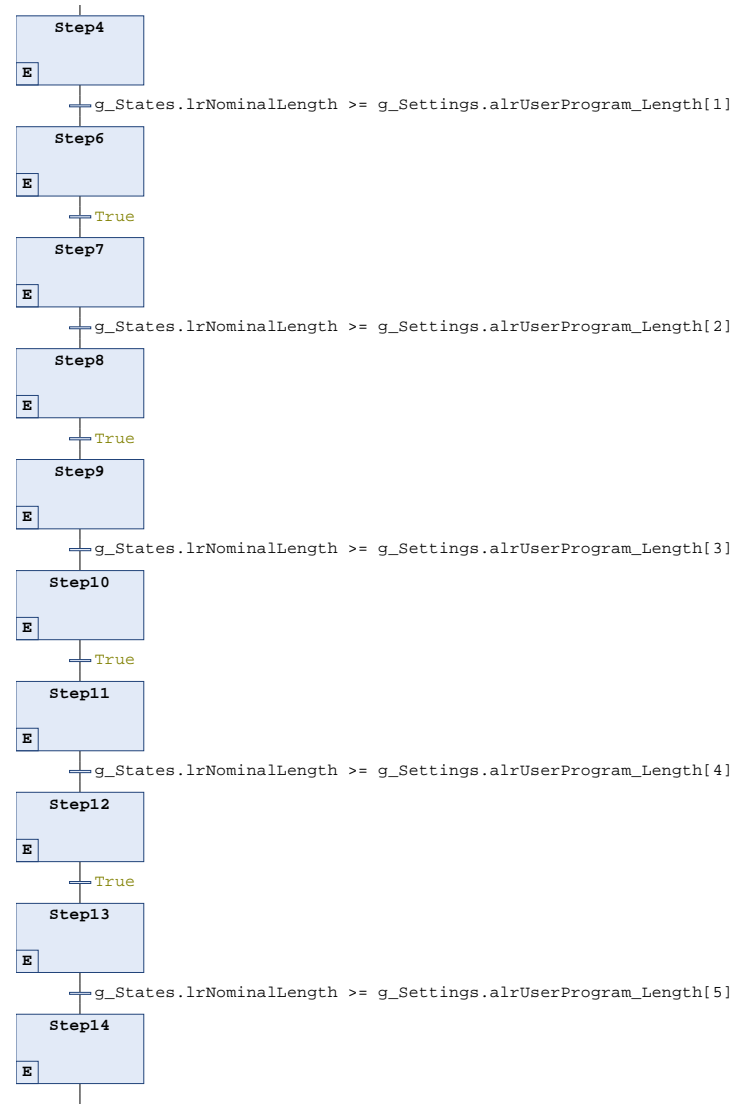
```

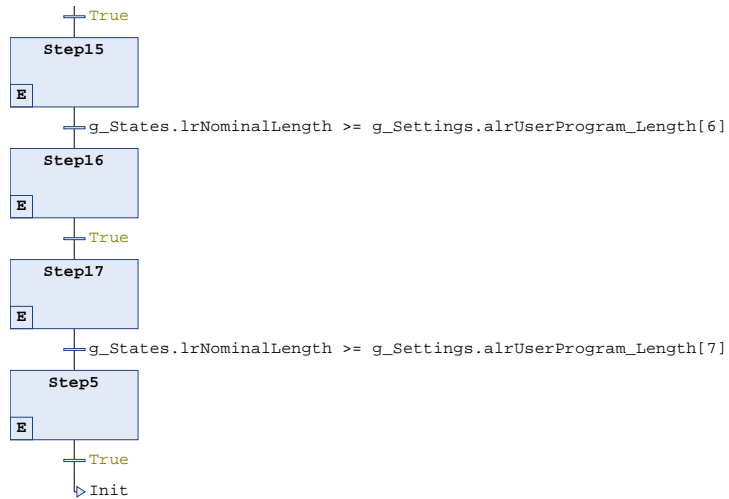
1  PROGRAM _main
2  VAR
3      bEnable : INT ;
4      nUserprogram_Radius : INT := 0 ;
5      anUserprogram_Radius : INT := 0 ;
6  END_VAR
7
8  VAR_INPUT
9      SFCInit : BOOL ;
10 END_VAR
11

```



1.1.1.1.6 POU: \_main





### 1.1.1.1.6.1 Action: Init\_active

```

1   g_Control . bResetIntegrator := TRUE ;
2

```

### 1.1.1.1.6.2 Action: Init\_entry

### 1.1.1.1.6.3 Action: Step0\_active

```

1   g_Control . bProgramStop := FALSE ;
2

```

### 1.1.1.1.6.4 Action: Step0\_entry

```

1   g_Control . bEnableAll := TRUE ;
2   g_Control . bCoupling := TRUE ;
3   g_Control . bProgramStop := FALSE ;
4   g_Control . bProgramStart := FALSE ;
5

```

### 1.1.1.1.6.5 Action: Step10\_entry

```

1   g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 4 ] ) + Get_DeltaN (
wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 4 ] ) ,
2                                     g_Settings . anUserProgram_RatioNum [ 4 ] ,          nNum :=
3                                     g_Settings . awUserProgram_RatioDen [ 4 ] ) ;          wDen :=
4
5   g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 4 ] ;
6   g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 4 ] ;
7
8   g_Control . bResetIntegrator := true ;
9

```

### 1.1.1.1.6.6 Action: Step11\_entry

```

1   g_Control . bCoupling := TRUE ;
2   g_Control . bRunAll := TRUE ;
3   g_Control . bEnableAll := TRUE ;
4   g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.7 Action: Step12\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 5 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 5 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 5 ] ,           nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 5 ] ) ;           wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 5 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 5 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.8 Action: Step13\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.9 Action: Step14\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 6 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 6 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 6 ] ,           nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 6 ] ) ;           wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 6 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 6 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.10 Action: Step15\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.11 Action: Step16\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 7 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 7 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 7 ] ,           nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 7 ] ) ;           wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 7 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 7 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.12 Action: Step17\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.13 Action: Step1\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 0 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 0 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 0 ] ,           nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 0 ] ) ;           wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 0 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 0 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.14 Action: Step2\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.15 Action: Step3\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 1 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 1 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 1 ] ,                nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 1 ] ) ;                wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 1 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 1 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.16 Action: Step4\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.17 Action: Step5\_entry**

```

1  g_Control . bStopAll := TRUE ;
2

```

**1.1.1.1.6.18 Action: Step6\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 2 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 2 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 2 ] ,                nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 2 ] ) ;                wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 2 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 2 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.19 Action: Step7\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.1.6.20 Action: Step8\_entry**

```

1  g_Settings . nNSet := ( g_Settings . anUserProgram_Speed [ 3 ] ) + Get_DeltaN (
   wNominalN := INT_TO_WORD ( g_Settings . anUserProgram_Speed [ 3 ] ) ,
2
   g_Settings . anUserProgram_RatioNum [ 3 ] ,                nNum :=
3
   g_Settings . awUserProgram_RatioDen [ 3 ] ) ;                wDen :=
4
5  g_Settings . nRatioNum := g_Settings . anUserProgram_RatioNum [ 3 ] ;
6  g_Settings . wRatioDen := g_Settings . awUserProgram_RatioDen [ 3 ] ;
7
8  g_Control . bResetIntegrator := true ;
9

```

**1.1.1.1.6.21 Action: Step9\_entry**

```

1  g_Control . bCoupling := TRUE ;
2  g_Control . bRunAll := TRUE ;
3  g_Control . bEnableAll := TRUE ;
4  g_Control . bResetIntegrator := FALSE ;
5

```

**1.1.1.2 Folder: TypeDefinitions****1.1.1.2.1 DUT: TypeDef\_VisiWinNET\_Control**

```

1  TYPE TypeDef_VisiWinNET_Control :
2  STRUCT
3
4      bEnableAll : BOOL ;
5      bRunAll : BOOL ;
6      bStopAll : BOOL ;
7      bResetError : BOOL ;
8
9      bCoupling : BOOL ;
10
11     bDirection : BOOL ;
12
13     bResetIntegrator : bool ;
14
15
16     bProgramStart : BOOL ;
17     bProgramStop : BOOL ;
18     bProgramPause : BOOL ;
19
20
21     bManualStart_Master_A0 : BOOL ;
22     bManualStop_Master_A0 : BOOL ;
23
24     bManualStart_Slave_A1 : BOOL ;
25     bManualStop_Slave_A1 : BOOL ;
26

```

```

27     bManualStart_Slave_B0 : BOOL ;
28     bManualStop_Slave_B0 : BOOL ;
29
30     bManualStart_Slave_B1 : BOOL ;
31     bManualStop_Slave_B1 : BOOL ;
32
33     bCalcStart : BOOL ;
34
35 END_STRUCT
36 END_TYPE
37

```

### 1.1.1.2.2 DUT: TypeDef\_VisiWinNET\_Settings

```

1  TYPE TypeDef_VisiWinNET_Settings :
2  STRUCT
3      nRatioNum : INT := 1 ;
4      wRatioDen : UINT := 1 ;
5      nSet : INT := 60 ;
6      nRadius : LREAL := 100 ;
7
8      anUserProgram_Speed : ARRAY [ 0 .. 19 ] OF INT ;
9      anUserProgram_Duration : ARRAY [ 0 .. 19 ] OF TIME ;
10     anUserProgram_RatioNum : ARRAY [ 0 .. 19 ] OF INT ;
11     awUserProgram_RatioDen : ARRAY [ 0 .. 19 ] OF UINT ;
12     alrUserProgram_Length : ARRAY [ 0 .. 19 ] OF LREAL ;
13     alrUserProgram_Radius : ARRAY [ 0 .. 19 ] OF LREAL ;
14
15 END_STRUCT
16 END_TYPE
17

```

### 1.1.1.2.3 DUT: TypeDef\_VisiWinNET\_States

```

1  TYPE TypeDef_VisiWinNET_States :
2  STRUCT
3
4      bError : BOOL ;
5      bReadyAll : BOOL ;
6      bEnabledAll : BOOL ;
7
8      bCouplingsOK : ARRAY [ 0 .. 2 ] OF BOOL ;
9
10     dnAxisSpeed_u : ARRAY [ 0 .. 3 ] OF DINT ;
11     nAxisTorque_per : ARRAY [ 0 .. 3 ] OF INT ;
12
13     lrNominalLength : LREAL ;
14
15     byCalcProgress_percent : BYTE ;
16
17
18 END_STRUCT
19 END_TYPE
20

```

### 1.1.1.3 Global Variable List: GVL

```

1  VAR_GLOBAL
2  END_VAR
3  VAR_GLOBAL
4
5      g_abDO : ARRAY [ 0 .. 7 ] OF BOOL ;
6      g_abDI : ARRAY [ 0 .. 7 ] OF BOOL ;
7      g_Control : TypeDef_VisiWinNET_Control ;
8      g_States : TypeDef_VisiWinNET_States ;
9
10 END_VAR
11 VAR_GLOBAL RETAIN
12
13     g_Settings : TypeDef_VisiWinNET_Settings ;
14 END_VAR
15

```

### 1.1.1.4 Library Manager: Library Manager

```

#BreakpointLogging
#CmpLog
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#System_VisuElemsDateTime
#system_visuinputs
#IecVarAccess
    #CmplecVarAccess
    #Collections
    #SysMem
        SysTypes2 Interfaces, * (System)
    #Standard
    Collections Interfaces, * (System)
    Base Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    Base Interfaces, * (System)
    Collections Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    IecVarAccess3 Interfaces, * (System)
#Component Manager
#CmpEventManager
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)

```

```

    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#Collections
#SysMem
  SysTypes2 Interfaces, * (System)
#Standard
  Collections Interfaces, * (System)
  Base Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
#SymbolicVarsBase
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  SysTypes2 Interfaces, * (System)
#Standard
  Collections Interfaces, * (System)
  Base Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
#SysMem
  SysTypes2 Interfaces, * (System)
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  Base Interfaces, * (System)
  Collections Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  lecVarAccess3 Interfaces, * (System)
  Base Interfaces, * (System)
  Collections Interfaces, * (System)
  Data Server Interfaces, * (System)
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  CmpErrors2 Interfaces, * (System)
#SysMem
  SysTypes2 Interfaces, * (System)
  lecVarAccess3 Interfaces, * (System)
#lecSfc
#Standard
#Analyzation
#IoStandard
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#SM3_Basic
#IoStandard
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)

```

```

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#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
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#3SLicense
#SysTarget
#SysFile
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  SysTypes2 Interfaces, * (System)
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#SysCpuHandling
#SysMem
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#SysTimeRtc
#SysTimeCore
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#CmpEventMgr
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)

```



```

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#CAA Types
#SysCpuHandling
#SysMem
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
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#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#SM3_CNC
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
#CmpApp
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    #CmpEventMgr
        SysTypes2 Interfaces, * (System)

```

```

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#CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
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#IoStandard
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    CmpErrors2 Interfaces, * (System)
#CmpLog
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#CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
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#3SLicense
#SysTarget
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    CmpErrors2 Interfaces, * (System)
#CmpApp
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#CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)

```

```

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#SysTimeRtc
  #SysTimeCore
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#CmpApp
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  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
  #SysCpuHandling
  #SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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CmpErrors Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
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#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor

```

```

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#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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#System_VisuElemMeter
#System_VisuElemsWinControls
#System_VisuElemTrace
#System_VisuInputs
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```

```

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  #SysTarget
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#CAA Types
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  #SysMem
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#CAA Types
  #SysCpuHandling

```

```

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  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  #System_VisuElemMeter
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  #System_VisuNativeControl
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  #System_VisuElemCamDisplayer
  #System_VisuElem3DPath
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#System_VisuElems
  #System_VisuElemMeter
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  #System_VisuElemsWinControls
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  #System_VisuElemTrace
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#3SLicense

```

```

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      #SysMem
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    #CAA Types
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
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  #SysCpuHandling

```

```

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#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
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        #SysMem
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          SysTypes2 Interfaces, * (System)

```

```

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#SysTime

```

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#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
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#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#System_VisuElemMeter
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#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls

```

```

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#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElem3DPath
#System_VisuElemCamDisplayer
#system_visuinputs
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#SysCpuHandling
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  SysTypes2 Interfaces, * (System)
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#CAA CANopen Stack
#CAA Types
#SysCpuHandling
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#CmpLog
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#SM3_Drive_CAN
#CAA CiA405
#CAA Types
#SysCpuHandling

```

```

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#3SLicense

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    CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
#SysMem
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  CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
#SysMem
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#SysCpuHandling
#SysMem
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  CmpErrors2 Interfaces, * (System)
#SysFile

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SysTypes Interfaces, * (System)
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#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
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#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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#SM3_Basic
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#CmpApp
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#SysTarget
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  SysTypes2 Interfaces, * (System)
#CmpApp

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    #SysMem
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#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs

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#CmplecTask

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#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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#CAA Types
#SysCpuHandling

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#CmplecTask
#CmpApp

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#CAA Types

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  #System_VisuElementsSpecialControls
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  #System_VisuElemTrace
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  #System_VisuElementsAlarm
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  #System_VisuElem3DPath
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#SysTarget
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#Standard

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#IoStandard
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#CmpApp
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#3SLicense
#SysTarget
#SysFile
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  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  #CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
  #CmpApp
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  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)

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    CmpErrors2 Interfaces, * (System)
  #CmpCodeMeter
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  #SysTimeRtc
    #SysTimeCore
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#CmpApp
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  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
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    SysTypes2 Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPATH

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#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
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#system_visuinputs
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#IoStandard
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#SysTimeRtc
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#Standard
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#SysTarget
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#SysTimeRtc
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  CmpErrors Interfaces, * (System)
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  SysTypes Interfaces, * (System)

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#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
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#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#SM3_Drive_CAN
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#Standard

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#CmpEventMgr
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  CmpErrors2 Interfaces, * (System)

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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
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#System_VisuElemsAlarm
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#System_VisuElemCamDisplayer
#system_visuinputs
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#CAA CiA405
#CAA Types

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#CAA Types
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#CAA CiA405
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#CAA Types
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#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)

```



```

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#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)

```

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#SysTimeCore
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#CAA Types
#SysCpuHandling
#SysMem
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#System_VisuElem3DPath
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
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    SysTypes2 Interfaces, * (System)
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#Standard
#Component Manager

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  #SysCpuHandling
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  #SysCpuHandling
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#System_VisuElems

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#CAA Types
#SysCpuHandling
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#System_VisuElemCamDisplayer
#System_VisuElem3DPath
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#SM3_Basic
#IoStandard
Base Interfaces, * (System)

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#SysTarget
#3SLicense
#SysTarget
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    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
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#CmpEventMgr
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        CmpErrors2 Interfaces, * (System)
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#SysTimeCore
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#SysTimeRtc
    #SysTimeCore
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#CAA Types
    #SysCpuHandling

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    CmpErrors2 Interfaces, * (System)
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    #CAA Types
    #SysCpuHandling
    #SysMem
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        CmpErrors2 Interfaces, * (System)
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    #SysCpuHandling
    #SysMem
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        CmpErrors2 Interfaces, * (System)
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#System_VisuElem3DPath
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#system_visuinputs
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#SM3_Drive_CiA_DSP402
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#3SLicense
#SysTarget
#SysFile
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#CmpLog
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#CAA Types
#SysCpuHandling
#SysMem
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#CAA Types
#SysCpuHandling

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#3SLicense
#SysTarget

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    #SysCpuHandling
    #SysMem

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    #System_VisuNativeControl
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    #System_VisuElem3DPath
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#3SLicense
#SysTarget
#SysFile
    SysTypes2 Interfaces, * (System)

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SysTypes2 Interfaces, * (System)

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CmpErrors2 Interfaces, * (System)

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  #SysTimeCore
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls

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  #SysTimeRtc

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#System_VisuElem3DPath
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)

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    CmpErrors2 Interfaces, * (System)
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#3SLicense
#SysTarget
#SysFile
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#CmpLog

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#SysMem
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  CmpErrors2 Interfaces, * (System)
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  CmpErrors2 Interfaces, * (System)
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  #CmpEventManager
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    CmpErrors2 Interfaces, * (System)
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#SysTimeRtc
#SysTimeCore
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    CmpErrors2 Interfaces, * (System)
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CmpErrors Interfaces, * (System)
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SysTypes Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
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Base Interfaces, * (System)
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CmpErrors Interfaces, * (System)
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#Standard
#L_IOM_IOModules
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        #CAA Types
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CmpErrors Interfaces, * (System)
IoDriver Interfaces, * (System)

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        #CmpEventMgr
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            CmpErrors2 Interfaces, * (System)
    #CmpCodeMeter
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    #SysTimeCore
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    #SysTimeRtc
    #SysTimeCore
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    #CAA Types
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CmpErrors Interfaces, * (System)
IoDriver Interfaces, * (System)

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#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
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#3SLicense
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  CmpErrors2 Interfaces, * (System)

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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls

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#System_VisuElemCamDisplayer
#System_VisuElem3DPath
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    CmpErrors2 Interfaces, * (System)

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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls

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#System_VisuElemCamDisplayer
#System_VisuElem3DPath
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  CmpErrors2 Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
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  #System_VisuElemsWinControls
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  #System_VisuElemTrace

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    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTime
#SysTimeCore

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#SysTimeRtc
  #SysTimeCore
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#CmpApp
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    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CAA ResMan
  #CAA Types
    #SysCpuHandling
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  #SysMem
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    CmpErrors2 Interfaces, * (System)
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#System_VisuElem3DPath
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#SM3_Basic
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#CmpLog
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#CmplecTask

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#3SLicense
#SysTarget
#SysFile
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#CAA Types
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  CmpErrors2 Interfaces, * (System)
#CAA ResMan

```

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#SysCpuHandling
#SysMem
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#System_VisuElem3DPath
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#CmplecTask

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#SysTarget
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan

```

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#SysTarget
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#SysCpuHandling
#SysMem

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#CAA Types
#SysCpuHandling
#SysMem

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#SysCpuHandling
#SysMem

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Base Interfaces, * (System)

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#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#Standard
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElem3DPath
#System_VisuElemCamDisplayer
#system_visuinputs
#IODrvEtherCAT
#CAA CiA405
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA TickUtil
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA CANopen Manager
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)

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    CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpLog
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#IoStandard
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#IoStandard
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    CmpErrors2 Interfaces, * (System)
    Base Interfaces, * (System)
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SM3_Drive_CiA_DSP402
#SM3_Basic
#IoStandard
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    CmpErrors2 Interfaces, * (System)
#CmpLog
    SysTypes2 Interfaces, * (System)
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#CmpApp
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    #CmpEventMgr
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        CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
    SysTypes2 Interfaces, * (System)
#CmpLog
    SysTypes2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)

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#Component Manager
#CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventMgr
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventMgr
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#SysTime
#SysTimeCore
    SysTypes2 Interfaces, * (System)
#SysTimeRtc
    #SysTimeCore
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        SysTypes2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventMgr
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        CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SysFile
    SysTypes2 Interfaces, * (System)
#Standard
    Base Interfaces, * (System)
    CmpErrors Interfaces, * (System)

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SysTypes Interfaces, * (System)
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#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpLog
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  Base Interfaces, * (System)
  IoDriver Interfaces, * (System)
  CmpErrors Interfaces, * (System)
  IoDriver Parameter Interfaces, * (System)
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#SysTarget
#IODrvEtherCAT
#Standard
#IoStandard
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpDynamicText
  SysTypes2 Interfaces, * (System)
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#CAA Device Diagnosis
  #CAA Behaviour Model
  #CAA Types
    #SysCpuHandling
    #SysMem
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      SysTypes2 Interfaces, * (System)

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#CAA TickUtil
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  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#IoStandard
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)

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    CmpErrors2 Interfaces, * (System)
IoDriver Interfaces, * (System)
Base Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
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    SysTypes2 Interfaces, * (System)
#VisuDialogs
#Standard
#SysDir
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SysFile
    SysTypes2 Interfaces, * (System)
Data Server Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#Standard64
#L_EtcSlaveConfig_i700
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    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
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#CAA Types
    #SysCpuHandling
    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
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#CAA Types
    #SysCpuHandling
    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#CAA Behaviour Model
#CAA Types
    #SysCpuHandling
    #SysMem

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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
    #SysCpuHandling
    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
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#CAA Types
    #SysCpuHandling
    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
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    #SysMem
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        CmpErrors2 Interfaces, * (System)
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#CAA Types
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    #SysMem
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#CAA Types
    #SysCpuHandling
    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#ioStandard
Base Interfaces, * (System)
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CmpErrors2 Interfaces, * (System)
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#CAA Types
    #SysCpuHandling
    #SysMem
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        CmpErrors2 Interfaces, * (System)
#CAA Types
    #SysCpuHandling
    #SysMem
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        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#Standard
#L_EtcSlaveConfig
#L_SUDP_SlaveUpDownDownloadManager

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#SM3_Drive_ETC
#SM3_Basic
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#CmpApp
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    CmpErrors2 Interfaces, * (System)
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#3SLicense
#SysTarget
#SysFile
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  #SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#CmpEventMgr
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  CmpErrors2 Interfaces, * (System)
#CmpApp
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  #CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
  CmpErrors2 Interfaces, * (System)
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#SysTime
#SysTimeCore
  SysTypes2 Interfaces, * (System)
#SysTimeRtc
  #SysTimeCore
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    SysTypes2 Interfaces, * (System)
#CmpApp

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  CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  CmpErrors Interfaces, * (System)
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  SysTypes Interfaces, * (System)
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  #System_VisuElemMeter
  #System_VisuElemsSpecialControls
  #System_VisuElemsWinControls
  #System_VisuElemTextEditor
  #System_VisuElemTrace
  #System_VisuNativeControl
  #System_VisuElemsAlarm
  #System_VisuElemCamDisplayer
  #System_VisuElem3DPath
  #system_visuinputs
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  CmpErrors2 Interfaces, * (System)
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#Standard
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer

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#Standard
#SM3_Basic
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#CmplecTask
#CmpApp
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    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
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#3SLicense
#SysTarget
#SysFile
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#CAA Types
#SysCpuHandling
  #SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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  CmpErrors2 Interfaces, * (System)
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    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
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    CmpErrors2 Interfaces, * (System)
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#SysTimeCore
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#SysTimeRtc
  #SysTimeCore
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    SysTypes2 Interfaces, * (System)
#CmpApp

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  CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#SM3_Drive_CAN
#CAA CiA405
#CAA Types
#SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
#SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)

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#CAA Types
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  CmpErrors2 Interfaces, * (System)
#CAA CANopen Manager
#CAA Types
#SysCpuHandling
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#CAA Types
#SysCpuHandling
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  SysTypes2 Interfaces, * (System)
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#CAA Types
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#CmpApp
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    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
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#CmpLog
  SysTypes2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)

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  CmpErrors2 Interfaces, * (System)
#CmpApp
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    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
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  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTime
#SysTimeCore
  SysTypes2 Interfaces, * (System)
#SysTimeRtc
#SysTimeCore
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#SysFile
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#Standard
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  CmpErrors Interfaces, * (System)
  IoDriver Interfaces, * (System)
  SysTypes Interfaces, * (System)

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```

#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElem3DPath
#System_VisuElemCamDisplayer
#system_visuinputs
#SM3_Drive_CAN_DS402_IP
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    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CAA TickUtil
    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CAA CANopen Stack

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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
  #CAA Types
    #SysCpuHandling
    #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CmpLog
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#SM3_Drive_CAN
#CAA CiA405
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    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CAA TickUtil
    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CAA CANopen Stack
    #CAA Types
    #SysCpuHandling
    #SysMem
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    SysTypes2 Interfaces, * (System)

```



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#IoStandard
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  CmpErrors2 Interfaces, * (System)
#CmpLog
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#CmpApp
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  #CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
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#CmpLog
  SysTypes2 Interfaces, * (System)
#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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  #CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
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      CmpErrors2 Interfaces, * (System)
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    CmpErrors2 Interfaces, * (System)
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#SysTimeRtc
  #SysTimeCore
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  SysTypes2 Interfaces, * (System)
#CmpApp

```

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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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#SysCpuHandling
#SysMem
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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  CmpErrors Interfaces, * (System)
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  SysTypes Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
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#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElem3DPath
#System_VisuElemCamDisplayer

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#CmpApp
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#CmpEventMgr
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  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
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#CmpLog
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
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  CmpErrors2 Interfaces, * (System)
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#CmpEventMgr
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#SysTimeRtc
#SysTimeCore
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  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventMgr

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#CAA Types
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  #SysMem
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    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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#SysCpuHandling
#SysMem
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  CmpErrors2 Interfaces, * (System)
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#System_VisuElemsSpecialControls
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#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
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#IoStandard
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```

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#3SLicense
#SysTarget
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  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    CmpErrors2 Interfaces, * (System)
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  #CmpEventMgr
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  #CmpEventMgr
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    CmpErrors2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
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#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)

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  #System_VisuElemTrace
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  #System_VisuElemCamDisplayer
  #System_VisuElem3DPath
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#SM3_Basic
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  #CmpEventMgr

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    #CmpEventMgr
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        CmpErrors2 Interfaces, * (System)
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#System_VisuElems
#System_VisuElemMeter

```

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#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
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    CmpErrors2 Interfaces, * (System)
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#System_VisuElemMeter
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#System_VisuElemsWinControls
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#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
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#SM3_Drive_CiA_DSP402
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#SysTarget
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#CmpEventMgr

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#System_VisuElemMeter

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#CmpCodeMeter

```

```

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#System_VisuElemsAlarm
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#System_VisuElem3DPath
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CmpErrors2 Interfaces, * (System)
#SM3_ETC_ITF

```

```

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#3SLicense
#SysTarget
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  #SysMem
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  CmpErrors2 Interfaces, * (System)
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#CmpEventMgr
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```

```

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  CmpErrors2 Interfaces, * (System)
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#CAA Types
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
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    #CAA Types
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          SysTypes2 Interfaces, * (System)
          CmpErrors2 Interfaces, * (System)
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  #SysCpuHandling
  #SysMem
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  CmpErrors2 Interfaces, * (System)
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#System_VisuElemsSpecialControls
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#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsWinControls
#System_VisuElemTrace
#System_VisuInputs
#SM3_Drive_CAN_DS402_CyclicSync
#SM3_Basic

```

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#SysTarget
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    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Callback

```

```

#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#SysFile
  SysTypes2 Interfaces, * (System)
#Standard
Base Interfaces, * (System)
CmpErrors Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes Interfaces, * (System)
#FloatingPointUtils
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#SM3_Drive_CiA_DSP402
#SM3_Basic
#IoStandard
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#CmplecTask
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
  SysTypes2 Interfaces, * (System)

```

```

  SysTypes2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
#Component Manager
#CmpEventMgr
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTime
#SysTimeCore
  SysTypes2 Interfaces, * (System)
#SysTimeRtc
#SysTimeCore
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)

```



```

#SysFile
  SysTypes2 Interfaces, * (System)
#Standard
Base Interfaces, * (System)
CmpErrors Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes Interfaces, * (System)
#FloatingPointUtils
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#SM3_Drive_CAN
#CAA CIA405
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA TickUtil
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA CANopen Manager
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)

```

```

    CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#Standard
#SM3_Basic
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#CmplecTask
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventMgr
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
  SysTypes2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#Standard
#Component Manager
#CmpEventMgr
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)

```

```

#SysTimeCore
  SysTypes2 Interfaces, * (System)
#SysTimeRtc
  #SysTimeCore
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventMgr
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA ResMan
  #CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#SysFile
  SysTypes2 Interfaces, * (System)
#Standard
Base Interfaces, * (System)
CmpErrors Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes Interfaces, * (System)
#FloatingPointUtils
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#Standard
#System_VisuElems
#System_VisuElemMeter

```

```

#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElem3DPath
#System_VisuElemCamDisplayer
#system_visuinputs
#IODrvEtherCAT
#CAA CiA405
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA TickUtil
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA CANopen Manager
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA CANopen Stack
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#Standard
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)

```

```

#IoDrvBase
#IoStandard
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
Base Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#SM3_Drive_CiA_DSP402
#SM3_Basic
#IoStandard
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#CmplecTask
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTarget
#3SLicense
#SysTarget
#SysFile
  SysTypes2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
#CAA Types
  #SysCpuHandling
    #SysMem
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
#Standard
#Component Manager
#CmpEventMgr
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpCodeMeter
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#SysTime

```

```

  SysTypes2 Interfaces, * (System)
#SysTimeRtc
#SysTimeCore
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
  #SysCpuHandling
    #SysMem
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
  #CAA ResMan
    #CAA Types
      #SysCpuHandling
        #SysMem
          SysTypes2 Interfaces, * (System)
          SysTypes2 Interfaces, * (System)
          CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#SysFile
  SysTypes2 Interfaces, * (System)
#Standard
Base Interfaces, * (System)
CmpErrors Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes Interfaces, * (System)
#FloatingPointUtils
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#system_visuinputs
#IoStandard
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpLog
  SysTypes2 Interfaces, * (System)
Base Interfaces, * (System)
IoDriver Interfaces, * (System)

```

```

IoDriver Parameter Interfaces, * (System)
#L_EtcSlaveConfig
#CAA File
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA TickUtil
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Behaviour Model
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA TickUtil
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA Async Manager
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)

```

```

#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#IoStandard
Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
#CAA Memory
#L_SUDP_SlaveUpDownloadManager
#CmpLog
  SysTypes2 Interfaces, * (System)
#SysMem
  SysTypes2 Interfaces, * (System)
#IODrvEtherCAT
#Util
#Standard
#SysMem
  SysTypes2 Interfaces, * (System)

```

### 1.1.1.5 POU: PLC\_PRG

```

1  PROGRAM PLC_PRG
2
3  VAR
4      TON_SFCInit_Delay : TON ;
5  END_VAR
6

```

```

1  TON_SFCInit_Delay ( IN := g_Control . bProgramStop , PT := T#2S ) ;
2
3  _main ( SFCinit := TON_SFCInit_Delay . Q ) ;
4
5  IF ( TON_SFCInit_Delay . Q ) THEN
6      g_Control . bProgramStop := FALSE ;
7  END_IF
8
9
10
11
12
13  AxesControl ( ) ;
14  Visualization_data_exchange ( ) ;
15  Read_Axes_Params ( ) ;
16
17  CalcRatio ( ) ;
18

```

### 1.1.1.6 Symbol Configuration: Symbols

#### 1.1.1.7 Task Configuration: Task Configuration

Max. number of tasks: 32  
 Max. number of cyclic tasks: 32  
 Max. number of freewheeling tasks: 32  
 Max. number of event tasks: 32

System Events:

##### 1.1.1.7.1 Task: MainTask

Priority: 1  
 Type: Cyclic  
 Interval: #1ms  
 Watchdog: Active  
 Watchdog Time: 3200 Unit: µs  
 Watchdog Sensitivity: 1  
 POUs: PLC\_PRG

##### 1.1.1.7.1.1 Program call: PLC\_PRG

#### 1.1.1.8 Trace: Trace

Settings:

Record 'Trace':

Trigger variable:  
 Trigger edge: Positive  
 Post trigger (samples): 51  
 Trigger value:  
 Task: MainTask  
 Measure in every: 1-th cycle  
 Record condition:  
 Buffer size: 801  
 Comment:  
 POU for visualisation: False  
 Variables: AxesControl.L\_SMC\_AxisBasicControl\_Master\_A0.IrActVel

### 1.1.1.9 Visualization Manager: Visualization Manager

#### Settings

Use Current Visu Variable: False  
 Selected style: Default, 3.5.7.0 (3S-Smart Software Solutions GmbH)  
 Numpad: VisuDialogs.Numpad  
 Keypad: VisuDialogs.Keypad  
 Use text input with limits: False  
 Dialog for text input with limits: VisuDialogs.TextInputWithLimits  
 Support touch input (single/multi-touch): False  
 Support of semi-transparency: False  
 Login dialog: VisuUserManagement.VUM\_Login  
 Change password dialog: VisuUserManagement.VUM\_ChangePassword  
 Change configuration dialog: VisuUserManagement.VUM\_UserManagement  
 Extended settings: False  
 Size of Memory for Visu: 400000  
 Size of Paintbuffer (per Client): 50000  
 FileTransferMode: Transfer Visualization files to the PLC  
 Maximum number of Visualization Clients: 100  
 Transfer svg and converted images to plc: False

#### User management

Settings in case of several applications  
 Usermanagement in PLC: True  
 Usermanagement data: Local

#### Font Settings: Language specific font settings

#### 1.1.1.10 Visualization: Visualization\_Master\_A0

L_SMC_AxisBasicControl			eAxisType %s	
General	Homing	Motion	Motion State	Axis State
xRessError	xHomeExecute	xAxisStop	eFunStateAct	eAxisState
xRessErrorCh	xHomeAbsSwitch		%s	%s
xDriveWLimit	xHomeMode	xMoveAbsExec	xFunDone	eMotorOperation
xEnableWLimit	%s	xMoveRelExec	xFunBusy	%s
xWLimitPos	xDriveHomeMode	xMoveRelExec	xFunComAborted	xAxisEnabled
xWLimitNeg	%s	xMoveVelExec	xError	xAxisReady
	xHomePos	ISetPos_Dist	eErrorID	xAxisError
xQuickStop	%s	%s	%s	eAxisErrorID
	xHomeVel	ISetVel	ISetPosChd	%s
	%s	%s	%s	xDriveWarning
xQuickStopDec	xHomeAcc	ISetAcc	ISetPos	xDriveError
%s	%s	%s	%s	eDriveErrorID
				%s
xJoggingPos	eJTCConfig	ISetDec	ISetVelOut	xJTCFormat
xJoggingNeg	%s	%s	%s	%s
xJoggingSetVel	rFormatLimit	eSetDirection	ISetVel	xSWLimitEnabled
%s	%s	%s	%s	%s
xJoggingSetAcc	rFormatTime		ISetPosWarningError	xWLimitSwitchPos
%s	%s		%s	xWLimitSwitchNeg
xJoggingSetDec				
%s				

Background  
 Use background color: False  
 Background color: 1677215

Interface  
 VAR\_IN\_OUT

END\_VAR

Visual Element List

Frame Id: 0

Elementname: GenElemInst\_1

Type of element: Frame

Clipping: False

Show frame: False

Scale type: Anisotropic

Deactivate the background drawing: False

References

L\_SM3.L\_SMC\_AxisBasicControl

m\_Input\_FB: AxesControl.L\_SMC\_AxisBasicControl\_Master\_A0

Position

X: 30

Y: 76

Width: 925

Height: 600

Center

X: 492

Y: 376

Colors

Color: Element-Frame-Color

Alarm color: Element-Alarm-Frame-Color

Element look

Line width: 1

Line style: Solid

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]

Font color: Font-Default-Color

Color variables

Toggle color: <toggle/tap variable>

Inputconfiguration

OnDialogClosed: Configure...

OnMouseClicked: Configure...

OnMouseDown: Configure...

OnMouseEnter: Configure...

OnMouseLeave: Configure...

OnMouseMove: Configure...

OnMouseUp: Configure...

Tap

Tap FALSE: False

Tap on enter if captured: False

Toggle

Toggle on up if captured: False

1.1.1.11 Visualization: Visualization\_Slave\_A1

L_SMC_AxisBasicControl				eAxisType %s	
General	Homing	Motion	Motion State	Axis State	
xAxisDir	xHomeDir	xAxisStop	eFunStateAct	eAxisState	
xProgAbsOn	xHomeAbsSwitch		xFunDone	eModeOfOperation	
xDriveStart	xHomeMode	xMoveAbsExec	xFunBusy	%s	
xEnableHWLimit	%s	xMoveRelExec	xFunComAbortAct	xAxisEnabled	
xHWLimitPos	wDriveHomeMode	xMoveVelExec	xError	xAxisReady	
xHWLimitNeg	%s		ePosID	xAxisError	
xQuickStop	iHomePos %2[us]	iSetPos_Dist %2[us]	iSetPosOut %2[us]	eAxisErrorID %s	
iQuickStopDec %2[us]	iHomeVel %2[us]	iSetVel %2[us]	iSetPosOut %2[us]	xDriveWarning	
	iHomeAcc %2[us]	iSetAcc %2[us]	iActPos %2[us]	xDriveErrorID %s	
<b>Jogging</b>			iSetVelOut %2[us]	xStpHomed	
xJoggingPos	dwTPCntg %s	iSetDec %2[us]	iActVel %2[us]	xSWLimitEnabled	
iJoggingVelVer %2[us]	rTorqueLimit %2[%]	eSetDirection %s	iActVel %2[us]	xSWLimitActive	
iJoggingAcc %2[us]	rTorqueTime %2[us]		iActFollowingError %2[us]	xHWLimitSwitchPos	
iJoggingSetDec %2[us]				xHWLimitSwitchNeg	

Background

Use background color: False

Background color: 16777215

Interface

VAR\_IN\_OUT

END\_VAR

Visual Element List

Frame Id: 0

Elementname: GenElemInst\_1

Type of element: Frame

Clipping: False

Show frame: False

Scale type: Anisotropic

Deactivate the background drawing: False

References

L\_SM3.L\_SMC\_AxisBasicControl

m\_Input\_FB: AxesControl.L\_SMC\_AxisBasicControl\_Slave\_A1

Position

X: 104

Y: 105

Width: 925

Height: 600

Center

X: 566

Y: 405

Colors

Color: Element-Frame-Color

Alarm color: Element-Alarm-Frame-Color

Element look

Line width: 1

Line style: Solid

Text properties

Horizontal alignment: Centered  
 Vertical alignment: Centered  
 Text format: Default  
 Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]  
 Font color: Font-Default-Color

Color variables

Toggle color: <toggle/tap variable>

Inputconfiguration

OnDialogClosed: Configure...  
 OnMouseClicked: Configure...  
 OnMouseDown: Configure...  
 OnMouseEnter: Configure...  
 OnMouseLeave: Configure...  
 OnMouseMove: Configure...  
 OnMouseUp: Configure...

Tap

Tap FALSE: False  
 Tap on enter if captured: False

Toggle

Toggle on up if captured: False

1.1.1.12 Visualization: Visualization\_Slave\_B0

General		Homing		Motion		Motion State		Axis State	
xResetError	xHomeExecute	xHomeAbsSwitch	xAxisStop	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xAxisState	xAxisState
xRegulatorOn	xHomeAbsSwitch	xAxisStop	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xAxisState	xAxisState
xDriveStart	eHomeMode	xMoveAbsExec	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xFuncDone	eModeOperation	eModeOperation
xDriveWLimit	xHomeMode	xMoveAbsExec	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xFuncDone	eModeOperation	eModeOperation
xDriveWLimit	xDriveHomeMode	xMoveVelExec	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xAxisReady	xAxisReady
xDriveWLimit	xDriveHomeMode	xMoveVelExec	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xAxisReady	xAxisReady
xDriveWLimit	xDriveHomeMode	xMoveVelExec	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xFuncDone	xAxisReady	xAxisReady
xQuickStop	iHomePos	iSetPos_Dist	eErrorID	eErrorID	eErrorID	eErrorID	eErrorID	eAxisError	eAxisError
xQuickStop	iHomeVel	iSetVel	iSetPosOut	iSetPosOut	iSetPosOut	iSetPosOut	iSetPosOut	eAxisErrorID	eAxisErrorID
xQuickStopDec	iHomeAcc	iSetAcc	iSetPosOut	iSetPosOut	iSetPosOut	iSetPosOut	iSetPosOut	xDriveWarning	xDriveWarning
xQuickStopDec	iHomeAcc	iSetAcc	iSetPosOut	iSetPosOut	iSetPosOut	iSetPosOut	iSetPosOut	xDriveError	xDriveError
xJoggingPos	dwTPContg	iSetDec	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	onDriveErrorID	onDriveErrorID
xJoggingPos	dwTPContg	iSetDec	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	onDriveErrorID	onDriveErrorID
xJoggingPos	dwTPContg	iSetDec	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	onDriveErrorID	onDriveErrorID
xJoggingPos	dwTPContg	iSetDec	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	iSetVelOut	onDriveErrorID	onDriveErrorID
xJoggingSetVel	rTorqueLimit	eSetDirection	iActive	iActive	iActive	iActive	iActive	xWLimitEnabled	xWLimitEnabled
xJoggingSetVel	rTorqueLimit	eSetDirection	iActive	iActive	iActive	iActive	iActive	xWLimitEnabled	xWLimitEnabled
xJoggingSetVel	rTorqueLimit	eSetDirection	iActive	iActive	iActive	iActive	iActive	xWLimitEnabled	xWLimitEnabled
xJoggingSetVel	rTorqueLimit	eSetDirection	iActive	iActive	iActive	iActive	iActive	xWLimitEnabled	xWLimitEnabled
xJoggingSetDec	rTorqueTime	xAccFollowingError	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos
xJoggingSetDec	rTorqueTime	xAccFollowingError	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos
xJoggingSetDec	rTorqueTime	xAccFollowingError	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos
xJoggingSetDec	rTorqueTime	xAccFollowingError	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos	xWLimitSwitchPos

Background

Use background color: False  
 Background color: 1677215

Interface

VAR\_IN\_OUT

END\_VAR

Visual Element List

Frame Id: 0

Elementname: GenElemInst\_1

Type of element: Frame  
 Clipping: False  
 Show frame: False  
 Scale type: Anisotropic  
 Deactivate the background drawing: False  
 References

L\_SM3.L\_SMC\_AxisBasicControl  
 m\_Input\_FB: AxesControl.L\_SMC\_AxisBasicControl\_Slave\_B0

Position

X: 296  
 Y: 189  
 Width: 925  
 Height: 600

Center

X: 758  
 Y: 489

Colors

Color: Element-Frame-Color  
 Alarm color: Element-Alarm-Frame-Color

Element look

Line width: 1  
 Line style: Solid

Text properties

Horizontal alignment: Centered  
 Vertical alignment: Centered  
 Text format: Default  
 Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]  
 Font color: Font-Default-Color

Color variables

Toggle color: <toggle/tap variable>

Inputconfiguration

OnDialogClosed: Configure...  
 OnMouseClicked: Configure...  
 OnMouseDown: Configure...  
 OnMouseEnter: Configure...  
 OnMouseLeave: Configure...  
 OnMouseMove: Configure...  
 OnMouseUp: Configure...

Tap

Tap FALSE: False  
 Tap on enter if captured: False

Toggle

Toggle on up if captured: False

### 1.1.1.13 Visualization: Visualization\_Slave\_B1

L. SMC AxisBasicControl				
%s			eAxisType %s	
General	Homing	Motion	Motion State	Axis State
xResetError	xHomeExecu	xAxisStop	eFunStateAct	aAxisState
xReleaseOn	xHomeSwitch		xFunDone	aModeCkOperation
xDriveStart	eHomeMode	xMoveAbsExec	xFunBusy	
xEnableHwLim	%s	xMoveRelExec	xFunComAborted	xAxisEnabled
xHwLimPos	wDriveHomeMode	xMoveVelExec	xError	xAxisReady
xHwLimNeg	%s		eErrorID	aAxisError
xQuickStop	iHomePos	iSetPos_Dist	iSetPosOut	aAxisErrorID
	%2f[us]	%2f[us]	%2f[us]	%s
iQuickStopDec	iHomeVel	iSetVel		xDriveWarning
%2f[us]	%2f[us]	%2f[us]		
iQuickStopDec	iHomeAcc	iSetAcc		xDriveError
%2f[us]	%2f[us]	%2f[us]		
<b>Jogging</b>	oJogConfig	iSetDec	oJogErrorID	
xJoggingPos	%s	%2f[us]		
xJoggingNeg			xJogHome	
iJoggingSetVel	rTorqueLimit	eSetDirection	xJogLimEnabled	
%2f[us]	%2f[us]	%s	xJogLimActive	
iJoggingSetAcc	rTorqueTime		xHwLimSwitchPos	
%2f[us]	%2f[us]		xHwLimSwitchNeg	
iJoggingSetDec				
%2f[us]				

Lenze

- Background
  - Use background color: False
  - Background color: 16777215
- Interface
  - VAR\_IN\_OUT
  - END\_VAR
- Visual Element List
  - Frame Id: 0
  - Elementname: GenElemInst\_1
  - Type of element: Frame
  - Clipping: False
  - Show frame: False
  - Scale type: Anisotropic
  - Deactivate the background drawing: False
  - References
    - L\_SM3.L\_SMC\_AxisBasicControl
    - m\_Input\_FB: AxesControl.L\_SMC\_AxisBasicControl\_Slave\_B1
  - Position
    - X: 263
    - Y: 138
    - Width: 925
    - Height: 600
  - Center
    - X: 725
    - Y: 438
  - Colors
    - Color: Element-Frame-Color
    - Alarm color: Element-Alarm-Frame-Color
  - Element look
    - Line width: 1

- Line style: Solid
- Text properties
  - Horizontal alignment: Centered
  - Vertical alignment: Centered
  - Text format: Default
  - Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
  - Font color: Font-Default-Color
- Color variables
  - Toggle color: <toggle/tap variable>
- Inputconfiguration
  - OnDialogClosed: Configure...
  - OnMouseClicked: Configure...
  - OnMouseDown: Configure...
  - OnMouseEnter: Configure...
  - OnMouseLeave: Configure...
  - OnMouseMove: Configure...
  - OnMouseUp: Configure...
- Tap
  - Tap FALSE: False
  - Tap on enter if captured: False
- Toggle
  - Toggle on up if captured: False

## 1.2 Connector: SoftMotion General Drive Pool

## 1.3 Device: EtherCAT\_Master

### EtherCAT I/O Mapping

- IEC objects:
- |                              |                   |
|------------------------------|-------------------|
| Variable:                    | Type:             |
| EtherCAT_Master              | L_IDrvEtherCAT    |
| EtherCAT_Master_TaskWatchDog | L_SuspendWatchdog |

### Information

- |               |  |
|---------------|--|
| Name:         | EtherCAT Master                                |
| Vendor:       | Lenze  |
| Categories:   | Master   |
| Type:         | 64   |
| ID:           | 1028 0100                                      |
| Version:      | 3.12.0.1                                       |
| Order number: | ---  |
| Description:  | EtherCAT Master for using EtherCAT as fieldbus |





## 1.3.1 Device: L\_i700

## EtherCAT Parameters

## Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
Number of Outputs	DWORD	24	24		Number of Outputs
Number of Inputs	DWORD	30	30		Number of Inputs
Number of Infos about Outputs	DWORD	24	24		Number of Infos about Outputs
Physical Address of 1. Output	DWORD	3840	3840		Physical Address of 1. Output
Length of the first Output	DWORD	1	1		Length of the first Output
StartBit of the first Output	DWORD	0	0		StartBit of the first Output
EndBit of the first Output	DWORD	7	7		EndBit of the first Output
Number of Infos about Inputs	DWORD	30	30		Number of Infos about Inputs
Physical Address of 1. Input	DWORD	3840	3840		Physical Address of 1. Input
Length of the first Input	DWORD	1	1		Length of the first Input
StartBit of the first Input	DWORD	0	0		StartBit of the first Input
EndBit of the first Input	DWORD	7	7		EndBit of the first Input
CheckProductID	BOOL	TRUE	TRUE		CheckProductID
CheckVendorID	BOOL	TRUE	TRUE		CheckVendorID
Timeout SDO Access	DWORD	1000	1000		Timeout SDO Access
Timeout Init to Preop	DWORD	3000	3000		Timeout Init to Preop
Timeout Preop to Safeop, SafeOp to Op	DWORD	10000	10000		Timeout Preop to Safeop, SafeOp to Op
Timeout Back to Init	DWORD	5000	5000		Timeout Back to Init
Timeout Back to SafeOp	DWORD	200	200		Timeout Back to SafeOp
Bootstrap config data	ARRAY[0..7] OF BYTE	[16#0,16#10,16#0,16#2,16#0,16#12,16#0,16#2]	[16#0,16#10,16#0,16#2,16#0,16#12,16#0,16#2]		Bootstrap config data
PDOAssign	BOOL	TRUE	TRUE		PDOAssign
PDOConfig	BOOL	TRUE	TRUE		PDOConfig
CompleteAccess	BOOL	FALSE	FALSE		CompleteAccess
Watchdog register 0400	WORD	2448	16#990		Watchdog register 0400
Watchdog register 0420	WORD	1000	16#3E8		Watchdog register 0420
Number of Identity Parameters	DWORD	4	4		Number of Identity Parameters
Vendor Id of the Slave	DWORD	59	59		Vendor Id of the Slave
Product Code of the Slave	DWORD	1762066434	1762066434		Product Code of the Slave
Revision Number of the Slave	DWORD	65545	65545		Revision Number of the Slave
Serialnumber of the Slave	DWORD	0	0		Serialnumber of the Slave

Physical Address of the Slave	DWORD	0	0		Physical Address of the Slave
Autolncr Address of the Slave	DWORD	0	0		Autolncr Address of the Slave
Number of SyncManagers of the Slave	DWORD	4	4		Number of SyncManagers of the Slave
Sync					
Physical Address	WORD	4096	4096		Physical Address
Length	UINT	16#0200	16#0200		Length
FlagTypeDir	BYTE	38	38		FlagTypeDir
FlagEvent	BYTE	0	0		FlagEvent
FlagControl	BYTE	1	1		FlagControl
SyncType	BYTE	3	3		SyncType
Virtual	BYTE				Virtual
Sync					
Physical Address	WORD	4608	4608		Physical Address
Length	UINT	16#0200	16#0200		Length
FlagTypeDir	BYTE	34	34		FlagTypeDir
FlagEvent	BYTE	0	0		FlagEvent
FlagControl	BYTE	1	1		FlagControl
SyncType	BYTE	2	2		SyncType
Virtual	BYTE				Virtual
Sync					
Physical Address	WORD	5120	5120		Physical Address
Length	UINT	62	62		Length
FlagTypeDir	BYTE	100	100		FlagTypeDir
FlagEvent	BYTE	0	0		FlagEvent
FlagControl	BYTE	1	1		FlagControl
SyncType	BYTE	1	1		SyncType
Virtual	BYTE	0	0		Virtual
Sync					
Physical Address	WORD	5888	5888		Physical Address
Length	UINT	90	90		Length
FlagTypeDir	BYTE	32	32		FlagTypeDir
FlagEvent	BYTE	0	0		FlagEvent
FlagControl	BYTE	1	1		FlagControl
SyncType	BYTE	0	0		SyncType
Virtual	BYTE	0	0		Virtual
Number of FMMUs of the Slave	DWORD	3	3		Number of FMMUs of the Slave
FMMU					
Global Start Address	DWORD	33554432	33554432		Global Start Address
Length	UINT	62	62		Length
StartBit	BYTE	0	0		StartBit
EndBit	BYTE	7	7		EndBit
Physical Start Address	UINT	5120	5120		Physical Start Address
Logical Start Bit	BYTE	0	0		Logical Start Bit
Access	BYTE	2	2		Access
Flags	DWORD	1	1		Flags
FMMU					
Global Start Address	DWORD	16777216	16777216		Global Start Address
Length	UINT	90	90		Length
StartBit	BYTE	0	0		StartBit
EndBit	BYTE	7	7		EndBit

1.3.1 Device: L\_i700

Physical Start Address	UINT	5888	5888	Physical Start Address
Logical Start Bit	BYTE	0	0	Logical Start Bit
Access	BYTE	1	1	Access
Flags	DWORD	1	1	Flags
Global Start Address	DWORD	524288	524288	Global Start Address
Length	UINT	1	1	Length
StartBit	BYTE	0	0	StartBit
EndBit	BYTE	0	0	EndBit
Physical Start Address	UINT	2061	2061	Physical Start Address
Logical Start Bit	BYTE	0	0	Logical Start Bit
Access	BYTE	1	1	Access
Flags	DWORD	1	1	Flags
Number of RxPDOs of the Slave	DWORD	16	16	Number of RxPDOs of the Slave
Number of TxPDOs of the Slave	DWORD	14	14	Number of TxPDOs of the Slave
DC sync0 cycletime	DWORD	1000	0	DC sync0 cycletime
DC enable	BOOL	1	1	DC enable
DC sync0 enable	BOOL	1	1	DC sync0 enable
DC sync0 factor	STRING	'x 1'	'x 1'	
DC sync0 shift time	DWORD	0		
DC sync1 cycletime	DWORD	1000	0	DC sync1 cycletime
DC sync1 enable	BOOL	0	FALSE	DC sync1 enable
DC sync1 factor	STRING	'x 1'	'x 1'	
DC sync1 shift time	DWORD	0		
Number of SDO	UINT	0	0	Number of SDO
RxTxPdo	INT	3		
NumberOfExcludes	INT	7		
Index	UINT	16#1600		
Fixed	BOOL	True		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	2		
Su	INT	0		
Name	STRING	'Axis A: csp'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
Exclude	ARRAY[0..2] OF UINT	[16#1601,16#1602,16#1603]		
Index	UINT	16#6040		Index
SubIndex	UINT	0		SubIndex
Size	UINT	16		Size
Offset	UINT	0		Offset
DependOnSlot	BOOL	False		DependOnSlot
DependOnSlotGroup	BOOL	False		DependOnSlotGroup
Index	UINT	16#2830		Index
SubIndex	UINT	0		SubIndex
Size	UINT	16		Size
Offset	UINT	0		Offset

1.3.1 Device: L\_i700

DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#6060	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#60B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#607A	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#60B1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#2902	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#1601	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Index	UINT	16#1601	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup

1.3.1 Device: L\_i700

Exclude	ARRAY[0..3] OF UINT	[16#1600,16#1602,16#1603,16#1607]	
Controlword			
Index	UINT	16#6040	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze control word			
Index	UINT	16#2830	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6060	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque offset			
Index	UINT	16#60B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Target torque			
Index	UINT	16#6071	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Speed limitation:			
Upper speed limit			
Index	UINT	16#2946	Index
SubIndex	UINT	1	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lower speed limit			
Index	UINT	16#2946	Index
SubIndex	UINT	2	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot

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DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
Index	INT	3	
NumberOfExcludes			
NumberofEntries	INT	5	
Index	UINT	16#1602	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis A: csv'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Exclude	ARRAY[0..2] OF UINT	[16#1600,16#1601,16#1603]	
Controlword			
Index	UINT	16#6040	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze control word			
Index	UINT	16#2830	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6060	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque offset			
Index	UINT	16#60B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Target velocity			
Index	UINT	16#60FF	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo			

1.3.1 Device: L\_i700

NumberOfExcludes	INT	3	
NumberOfEntries	INT	4	
Index	UINT	16#1603	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis A: v1'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1600,16#1601,16#1602]	
Controlword			
Index	UINT	16#6040	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze control word			
Index	UINT	16#2830	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation			
Index	UINT	16#6060	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
vl target velocity			
Index	UINT	16#6042	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
NumberOfExcludes	INT	0	
NumberOfEntries	INT	1	
Index	UINT	16#1604	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis A: TP'	
DependOnSlot	BOOL	False	

1.3.1 Device: L\_i700

DependOnSlotGroup	BOOL	False	
Touch probe function			
Index	UINT	16#60B8	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
NumberOfExcludes	INT	0	
NumberOfEntries	INT	16#1605	
Index	UINT	16#1605	
Fixed	BOOL	False	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis A: Free configuration'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
RxTxPdo			
NumberOfExcludes	INT	0	
NumberOfEntries	INT	2	
Index	UINT	16#1606	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis A: Torque limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Positive torque limit value			
Index	UINT	16#60E0	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Negative torque limit value			
Index	UINT	16#60E1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			

## 1.3.1 Device: L\_i700

NumberOfExcludes	INT	0	
NumberOfEntries	INT	2	
Index	UINT	16#1607	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis A: Speed limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Speed limitation:			
Upper speed limit			
Index	UINT	16#2946	Index
SubIndex	UINT	1	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Speed limitation:			
Lower speed limit			
Index	UINT	16#2946	Index
SubIndex	UINT	2	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	3	
NumberOfExcludes	INT	3	
NumberOfEntries	INT	7	
Index	UINT	16#1610	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: csp'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1611,16#1612,16#1613]	
Controlword			
Index	UINT	16#6840	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze control word			
Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size

## 1.3.1 Device: L\_i700

Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Torque offset			
Index	UINT	16#68B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Target position			
Index	UINT	16#687A	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Velocity offset			
Index	UINT	16#68B1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Speed controller: I component load value			
Index	UINT	16#3102	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	4	
NumberOfExcludes	INT	4	
NumberOfEntries	INT	7	
Index	UINT	16#1611	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: cst'	
DependOnSlot	BOOL	False	

1.3.1 Device: L\_i700

DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..3] OF UINT	[16#1610,16#1612,16#1613,16#1617]	
Controlword			
Index	UINT	16#6840	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze control word			
Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque offset			
Index	UINT	16#68B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Target torque			
Index	UINT	16#6871	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Speed limitation:			
Upper speed limit			
Index	UINT	16#3146	Index
SubIndex	UINT	1	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lower speed limit			
Index	UINT	16#3146	Index
SubIndex	UINT	2	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset

1.3.1 Device: L\_i700

DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
Index	INT	3	
NumberOfExcludes			
Index	UINT	5	
Fixed	BOOL	16#1612	
Mandatory	BOOL	True	
Virtual	BOOL	False	
Sm	INT	False	
Su	INT	-1	
Name	STRING	0	
DependOnSlot	BOOL	'Axis B: csv'	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1610,16#1611,16#1613]	
Controlword			
Index	UINT	16#6840	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze control word			
Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque offset			
Index	UINT	16#68B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Target velocity			
Index	UINT	16#68FF	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			

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RxTxPdo			
NumberofExcludes	INT	3	
NumberofEntries	INT	4	
Index	UINT	16#1613	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: vl'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1610,16#1611,16 #1612]	
Controlword			
Index	UINT	16#6840	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze control word			
Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
vl target velocity			
Index	UINT	16#6842	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	0	
NumberofExcludes			
NumberofEntries	INT	1	
Index	UINT	16#1614	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: TP'	

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DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Touch probe function			
Index	UINT	16#68B8	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	0	
NumberofExcludes			
NumberofEntries	INT	0	
Index	UINT	16#1615	
Fixed	BOOL	False	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: Free configuration'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
RxTxPdo	INT	0	
NumberofExcludes			
NumberofEntries	INT	2	
Index	UINT	16#1616	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: Torque limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Positive torque limit value			
Index	UINT	16#68E0	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Negative torque limit value			
Index	UINT	16#68E1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			

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NumberOfExcludes	INT	0	
NumberOfEntries	INT	2	
Index	UINT	16#1617	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: Speed limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Speed limitation:			
Upper speed limit			
Index	UINT	16#3146	Index
SubIndex	UINT	1	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Speed limitation:			
Lower speed limit			
Index	UINT	16#3146	Index
SubIndex	UINT	2	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	3	
NumberOfExcludes	INT	8	
NumberOfEntries	INT	16#1A00	
Index	UINT	16#1A00	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	3	
Su	INT	0	
Name	STRING	'Axis A: csp'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1A01,16#1A02,1 6#1A03]	
Statusword			
Index	UINT	16#6041	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size

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Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Error code			
Index	UINT	16#603F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Velocity actual value			
Index	UINT	16#606C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Torque actual value			
Index	UINT	16#6077	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Position actual value			
Index	UINT	16#6064	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Following error actual value			
Index	UINT	16#60F4	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	3	
NumberOfExcludes	INT	6	
NumberOfEntries	INT	16#1A01	
Index	UINT	16#1A01	



1.3.1 Device: L\_i700

Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis A: cst'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1A00,16#1A02,16#1A03]	
Statusword			
Index	UINT	16#6041	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Error code			
Index	UINT	16#603F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Velocity actual value			
Index	UINT	16#606C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Torque actual value			
Index	UINT	16#6077	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot

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DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
NumberofExcludes	INT	3	
NumberofEntries	INT	7	
Index	UINT	16#1A02	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis A: csv'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1A00,16#1A01,16#1A03]	
Statusword			
Index	UINT	16#6041	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Error code			
Index	UINT	16#603F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Velocity actual value			
Index	UINT	16#606C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Torque actual value			
Index	UINT	16#6077	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup

## 1.3.1 Device: L\_i700

Torque actual value			
Index	UINT	16#6077	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Position actual value			
Index	UINT	16#6064	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
RxTxPdo	INT	3	
NumberOfExcludes			
NumberOfExcludes	INT	5	
Index	UINT	16#1A03	Index
Fixed	BOOL	True	Fixed
Mandatory	BOOL	False	Mandatory
Virtual	BOOL	False	Virtual
Sm	INT	-1	Sm
Su	INT	0	Su
Name	STRING	'Axis A: v1'	Name
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Exclude			
Exclude	ARRAY[0..2] OF UINT	[16#1A00,16#1A01, 16#1A02]	
Statusword			
Index	UINT	16#6041	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Error code			
Index	UINT	16#603F	Index

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SubIndex			
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
vi velocity actual value			
Index	UINT	16#6044	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
RxTxPdo	INT	0	
NumberOfExcludes			
NumberOfExcludes	INT	5	
Index	UINT	16#1A04	Index
Fixed	BOOL	True	Fixed
Mandatory	BOOL	False	Mandatory
Virtual	BOOL	False	Virtual
Sm	INT	3	Sm
Su	INT	0	Su
Name	STRING	'Axis A: TP'	Name
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Touch probe status			
Index	UINT	16#60B9	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Touch probe pos1 pos value			
Index	UINT	16#60BA	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Touch probe pos1 neg value			
Index	UINT	16#60BB	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Touch probe pos2 pos value			
Index	UINT	16#60BC	Index
SubIndex	UINT	0	SubIndex

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Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Touch probe pos2 neg value				
Index	UINT	16#60BD	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
RxTxPdo				
NumberofExcludes	INT	0		
NumberofEntries	INT	0		
Index	UINT	16#1A05		
Fixed	BOOL	False		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	-1		
Su	INT	0		
Name	STRING	'Axis A: Free configuration'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
RxTxPdo				
NumberofExcludes	INT	0		
NumberofEntries	INT	2		
Index	UINT	16#1A06		
Fixed	BOOL	False		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	3		
Su	INT	0		
Name	STRING	'Axis A: Additional status information'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
Lenze status word 2				
Index	UINT	16#2833	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Digital inputs				
Index	UINT	16#60FD	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	

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DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
RxTxPdo				
NumberofExcludes	INT	3		
NumberofEntries	INT	8		
Index	UINT	16#1A10		
Fixed	BOOL	True		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	3		
Su	INT	0		
Name	STRING	'Axis B: csp'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
Exclude	ARRAY[0..2] OF UINT	[16#1A11,16#1A12,1 6#1A13]		
Statusword				
Index	UINT	16#6841	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Lenze status word				
Index	UINT	16#3031	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Modes of operation display				
Index	UINT	16#6861	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	8	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Error code				
Index	UINT	16#683F	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Velocity actual value				
Index	UINT	16#686C	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	

## 1.3.1 Device: L\_i700

Torque actual value			
Index	UINT	16#6877	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Position actual value			
Index	UINT	16#6864	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Following error actual value			
Index	UINT	16#68F4	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo			
	INT	3	
NumberofExcludes			
NumberofEntries	INT	6	
Index	UINT	16#1A11	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: cst'	
DependOnSlot	BOOL	False	
	BOOL	False	
DependOnSlotGroup			
Exclude			
	ARRAY[0..2] OF	[16#1A10,16#1A12,1	
	UINT	6#1A13]	
Statusword			
Index	UINT	16#6841	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze status word			
Index	UINT	16#3031	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation display			

## 1.3.1 Device: L\_i700

Index			
Index	UINT	16#6861	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Error code			
Index	UINT	16#683F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Velocity actual value			
Index	UINT	16#686C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque actual value			
Index	UINT	16#6877	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo			
	INT	3	
NumberofExcludes			
NumberofEntries	INT	7	
Index	UINT	16#1A12	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: csv'	
DependOnSlot	BOOL	False	
	BOOL	False	
DependOnSlotGroup			
Exclude			
	ARRAY[0..2] OF	[16#1A10,16#1A11,1	
	UINT	6#1A13]	
Statusword			
Index	UINT	16#6841	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze status word			
Index	UINT	16#3031	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size

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Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Modes of operation display			Modes of operation display		
Index	UINT	16#6861	Index	UINT	16#6861
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	8	Size	UINT	8
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Error code			Error code		
Index	UINT	16#683F	Index	UINT	16#683F
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Velocity actual value			Velocity actual value		
Index	UINT	16#686C	Index	UINT	16#686C
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Torque actual value			Torque actual value		
Index	UINT	16#6877	Index	UINT	16#6877
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Position actual value			Position actual value		
Index	UINT	16#6864	Index	UINT	16#6864
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
RxTxPdo	INT	3	RxTxPdo	INT	3
NumberofExcludes	INT	5	NumberofExcludes	INT	5
NumberofEntries	INT	16#1A13	NumberofEntries	INT	16#1A13
Index	UINT	True	Index	UINT	True
Fixed	BOOL	False	Fixed	BOOL	False
Mandatory	BOOL	False	Mandatory	BOOL	False
Virtual	BOOL	-1	Virtual	BOOL	-1
Sm	INT	0	Sm	INT	0
Su	INT	'Axis B: v1'	Su	INT	'Axis B: v1'
Name	STRING	False	Name	STRING	False
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False

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Exclude	ARRAY[0..2] OF UINT	[16#1A10,16#1A11,16#1A12]	Exclude	ARRAY[0..2] OF UINT	[16#1A10,16#1A11,16#1A12]
Statusword			Statusword		
Index	UINT	16#6841	Index	UINT	16#6841
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Lenze status word			Lenze status word		
Index	UINT	16#3031	Index	UINT	16#3031
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Modes of operation display			Modes of operation display		
Index	UINT	16#6861	Index	UINT	16#6861
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	8	Size	UINT	8
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Error code			Error code		
Index	UINT	16#683F	Index	UINT	16#683F
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
vi velocity actual value			vi velocity actual value		
Index	UINT	16#6844	Index	UINT	16#6844
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
RxTxPdo	INT	0	RxTxPdo	INT	0
NumberofExcludes	INT	5	NumberofExcludes	INT	5
NumberofEntries	INT	16#1A14	NumberofEntries	INT	16#1A14
Index	UINT	True	Index	UINT	True
Fixed	BOOL	False	Fixed	BOOL	False
Mandatory	BOOL	False	Mandatory	BOOL	False
Virtual	BOOL	3	Virtual	BOOL	3
Sm	INT	0	Sm	INT	0
Su	INT	'Axis B: TP'	Su	INT	'Axis B: TP'
Name	STRING	False	Name	STRING	False
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Touch probe status			Touch probe status		

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Index	UINT	16#68B9	Index	UINT	16#68B9
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Touch probe pos1 pos value					
Index	UINT	16#68BA	Index	UINT	16#68BA
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Touch probe pos1 neg value					
Index	UINT	16#68BB	Index	UINT	16#68BB
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Touch probe pos2 pos value					
Index	UINT	16#68BC	Index	UINT	16#68BC
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Touch probe pos2 neg value					
Index	UINT	16#68BD	Index	UINT	16#68BD
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
RxTxPdo	INT	0			
NumberOfExcludes	INT	0			
NumberOfEntries	INT	0			
Index	UINT	16#1A15	Index	UINT	16#1A15
Fixed	BOOL	False	Fixed	BOOL	False
Mandatory	BOOL	False	Mandatory	BOOL	False
Virtual	BOOL	False	Virtual	BOOL	False
Sm	INT	-1	Sm	INT	-1
Su	INT	0	Su	INT	0
Name	STRING	'Axis B: Free configuration'	Name	STRING	'Axis B: Free configuration'
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
RxTxPdo					

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NumberOfExcludes	INT	0			
NumberOfEntries	INT	2			
Index	UINT	16#1A16	Index	UINT	16#1A16
Fixed	BOOL	False	Fixed	BOOL	False
Mandatory	BOOL	False	Mandatory	BOOL	False
Virtual	BOOL	False	Virtual	BOOL	False
Sm	INT	3	Sm	INT	3
Su	INT	0	Su	INT	0
Name	STRING	'Axis B: Additional status information'	Name	STRING	'Axis B: Additional status information'
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Lenze statusword 2					
Index	UINT	16#3033	Index	UINT	16#3033
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Digital inputs					
Index	UINT	16#68FD	Index	UINT	16#68FD
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Controlword					
Name	STRING	'Controlword'	Name	STRING	'Controlword'
Data Type	STRING	'UINT'	Data Type	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze control word					
Name	STRING	'Lenze control word'	Name	STRING	'Lenze control word'
Data Type	STRING	'UINT'	Data Type	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Modes of operation					
Name	STRING	'Modes of operation'	Name	STRING	'Modes of operation'
Data Type	STRING	'SINT'	Data Type	STRING	'SINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Torque offset					
Name	STRING	'Torque offset'	Name	STRING	'Torque offset'
Data Type	STRING	'INT'	Data Type	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Target position					
Name	STRING	'Target position'	Name	STRING	'Target position'
Data Type	STRING	'DINT'	Data Type	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Velocity offset					
Name	STRING	'Velocity offset'	Name	STRING	'Velocity offset'
Data Type	STRING	'DINT'	Data Type	STRING	'DINT'
Default	STRING	"	Default	STRING	"

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Comment	STRING	"	Comment
Speed controller: I component load value			
Name	STRING	'Speed controller: I component load value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque offset			
Name	STRING	'Torque offset'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Target torque			
Name	STRING	'Target torque'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Upper speed limit			
Name	STRING	'Speed limitation: Upper speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Lower speed limit			
Name	STRING	'Speed limitation: Lower speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment

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Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque offset			
Name	STRING	'Torque offset'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Target velocity			
Name	STRING	'Target velocity'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
vi target velocity			
Name	STRING	'vi target velocity'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe function			
Name	STRING	'Touch probe function'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Positive torque limit value			
Name	STRING	'Positive torque limit value'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Negative torque limit value			
Name	STRING	'Negative torque limit value'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Upper speed limit			
Name	STRING	'Speed limitation: Upper speed limit'	Name

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DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Lower speed limit			
Name	STRING	'Speed limitation: Lower speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque offset			
Name	STRING	'Torque offset'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Target position			
Name	STRING	'Target position'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity offset			
Name	STRING	'Velocity offset'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed controller: I component load value			
Name	STRING	'Speed controller: I component load value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment

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Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque offset			
Name	STRING	'Torque offset'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Target torque			
Name	STRING	'Target torque'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Upper speed limit			
Name	STRING	'Speed limitation: Upper speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Lower speed limit			
Name	STRING	'Speed limitation: Lower speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque offset			
Name	STRING	'Torque offset'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Target velocity			
Name	STRING	'Target velocity'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Controlword			
Name	STRING	'Controlword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default



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Comment	STRING	"	Comment
Lenze control word			
Name	STRING	'Lenze control word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation			
Name	STRING	'Modes of operation'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
vi target velocity			
Name	STRING	'vi target velocity'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe function			
Name	STRING	'Touch probe function'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Positive torque limit value			
Name	STRING	'Positive torque limit value'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Negative torque limit value			
Name	STRING	'Negative torque limit value'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Upper speed limit			
Name	STRING	'Speed limitation: Upper speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Speed limitation: Lower speed limit			
Name	STRING	'Speed limitation: Lower speed limit'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default

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Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Position actual value			
Name	STRING	'Position actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Following error actual value			
Name	STRING	'Following error actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name

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DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Torque actual value				
Name	STRING	'Torque actual value'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Statusword				
Name	STRING	'Statusword'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Lenze status word				
Name	STRING	'Lenze status word'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Modes of operation display				
Name	STRING	'Modes of operation display'	Name	
DataType	STRING	'SINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Error code				
Name	STRING	'Error code'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Velocity actual value				
Name	STRING	'Velocity actual value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Torque actual value				
Name	STRING	'Torque actual value'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Position actual value				
Name	STRING	'Position actual value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Statusword				
Name	STRING	'Statusword'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Lenze status word				
Name	STRING	'Lenze status word'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Modes of operation display				

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Name	STRING	'Modes of operation display'	Name	
DataType	STRING	'SINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Error code				
Name	STRING	'Error code'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
vl velocity actual value				
Name	STRING	'vl velocity actual value'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Touch probe status				
Name	STRING	'Touch probe status'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Touch probe pos1 pos value				
Name	STRING	'Touch probe pos1 pos value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Touch probe pos1 neg value				
Name	STRING	'Touch probe pos1 neg value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Touch probe pos2 pos value				
Name	STRING	'Touch probe pos2 pos value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Touch probe pos2 neg value				
Name	STRING	'Touch probe pos2 neg value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Lenze statusword 2				
Name	STRING	'Lenze statusword 2'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Digital inputs				
Name	STRING	'Digital inputs'	Name	
DataType	STRING	'UDINT'	DataType	
Default	STRING	"	Default	

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Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Position actual value			
Name	STRING	'Position actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Following error actual value			
Name	STRING	'Following error actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name

1.3.1 Device: L\_i700

DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Position actual value			
Name	STRING	'Position actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType

1.3.1 Device: L\_i700

Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Lenze status word</b>			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Modes of operation display</b>			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Error code</b>			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>vi velocity actual value</b>			
Name	STRING	'vi velocity actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Touch probe status</b>			
Name	STRING	'Touch probe status'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Touch probe pos1 pos value</b>			
Name	STRING	'Touch probe pos1 pos value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Touch probe pos1 neg value</b>			
Name	STRING	'Touch probe pos1 neg value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Touch probe pos2 pos value</b>			
Name	STRING	'Touch probe pos2 pos value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Touch probe pos2 neg value</b>			
Name	STRING	'Touch probe pos2 neg value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment

1.3.1 Device: L\_i700

<b>Lenze statusword 2</b>			
Name	STRING	'Lenze statusword 2'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
<b>Digital inputs</b>			
Name	STRING	'Digital inputs'	Name
DataType	STRING	'UDINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment

**EtherCAT I/O Mapping**

**IEC objects:**

Variable: L\_i700  
Type: L\_ETCSlave\_i700

**Information**

Name: i700 (Double Inverter, Safety STO) FW V01.09  
Vendor: Lenze  
Categories: Slave  
Type: 65  
ID: 3B\_6907000200010009  
Version: 1.9.5.0  
Description: EtherCAT Slave imported from Slave XML: lenze\_i700\_V01090500.xml Device: i700 (Double Inverter, Safety STO) FW V01.09



**1.3.1.1 : SM\_Drive\_ETC\_i700**

**SoftMotion Parameters**

<b>Parameters:</b>					
Name:	Type:	Value:	Default Value:	Unit:	Description:
wDrive1 D	WORD	4	1		ID of drive
bVirtual	BOOL	FALSE	FALSE		drive is simulated
dwRatioTechUnitsDenom	DWORD	65536	65536		conversion inc./tech.units denominator
iRatioTechUnitsNum	INT	1	1		conversion inc./tech.units numerator
iMovementType	INT	0	0		movement type: 0: rotary/modulo, 1: linear
fPositionPeriod	LREAL	360.0	360.0		modulo value for rotary drives
eRampType	INT	0	0		selects the velocity ramp type used by the FBs
fSWMMaxVelocity	LREAL	1000.0	1000.0		maximum velocity value used for limit check at SMC_ControlAxisByPos

## 1.3.1.1 : SM\_Drive\_ETC\_i700

fSWMaxAcceleration	LREAL	10000.0	10000.0	maximum acceleration value used for limit check at SMC_ControlAxisByPos
fSWMaxDeceleration	LREAL	10000.0	10000.0	
fRampJerk	LREAL	1e7	1e7	
fSWLimitPositive	LREAL	1000.0	1000.0	
fSWLimitNegative	LREAL	0.0	0.0	
fSWLimitNegative	BOOL	FALSE	FALSE	
eCheckPositionLag	INT	0	0	
fMaxPositionLag	LREAL	1.0	1.0	
ScalingIncs	DINT	65536	65536	
ScalingMotorTurns1	DINT	1	1	
ScalingMotorTurns2	DINT	1	1	
ScalingGearOutput1	DINT	1	1	
ScalingGearOutput2	DINT	1	1	
ScalingUnits	DINT	1	1	
InvertDirection	BOOL	FALSE	FALSE	
NumberOfOutputMappingParameters	INT	14	14	
ControlWord (out.wControlWord)	INT	10064	10064	
Object_8010	STRING	16#6040:16#00	16#6040:16#00	jerk used for bringing acceleration to 0 when sin <sup>2</sup> ramp is interrupted
AddressOffset_8010	UDINT	0		
BitOffset_8010	USINT	0		
BitLength_8010	USINT	16		
Address_8010	STRING	'%QW0'		
Type_8010	STRING	'UINT'		
AddressPointer_8010	POINTER TO BYTE	ADR(%QW0)		
set position (diSetPosition)	INT	1108	1108	
Object_8020	STRING	16#607A:16#00	16#607A:16#00	
AddressOffset_8020	UDINT	8		
BitOffset_8020	USINT	0		
BitLength_8020	USINT	32		
Address_8020	STRING	'%QD2'		
Type_8020	STRING	'DINT'		
AddressPointer_8020	POINTER TO BYTE	ADR(%QD2)		
controller mode (byControllerMode)	INT	10096	10096	
Object_8030	STRING	16#6060:16#00	16#6060:16#00	software limit position in positive direction
AddressOffset_8030	UDINT	4		
BitOffset_8030	USINT	0		
BitLength_8030	USINT	8		
Address_8030	STRING	'%QB4'		
Type_8030	STRING	'SINT'		
AddressPointer_8030	POINTER TO BYTE	ADR(%QB4)		
set velocity (diSetVelocity)	INT	1118	1118	
Object_8040	STRING	16#60B1:16#00	16#60B1:16#00	
AddressOffset_8040	UDINT	12		
BitOffset_8040	USINT	0		
BitLength_8040	USINT	32		
Address_8040	STRING	'%QD3'		
Type_8040	STRING	'DINT'		

## 1.3.1.1 : SM\_Drive\_ETC\_i700

AddressPointer_8040	POINTER TO BYTE	ADR(%QD3)		software limit position in negative direction
torque offset (iTorqueOffset)	INT	1168	1168	
Object_8050	STRING	16#60B2:16#00	16#60B2:16#00	
AddressOffset_8050	UDINT	6		
BitOffset_8050	USINT	0		
BitLength_8050	USINT	16		
Address_8050	STRING	'%QW3'		
Type_8050	STRING	'INT'		
AddressPointer_8050	POINTER TO BYTE	ADR(%QW3)		
TP ControlWord	INT	19000	19000	
Object_8060	STRING	16#60B8:16#00	16#60B8:16#00	software limit position in negative direction
AddressOffset_8060	UDINT	18		
BitOffset_8060	USINT	0		
BitLength_8060	USINT	16		
Address_8060	STRING	'%QW9'		
Type_8060	STRING	'UINT'		
AddressPointer_8060	POINTER TO BYTE	ADR(%QW9)		
PositiveTorqueLimit	INT	19010	19010	
Object_8070	STRING	16#60E0:16#00	16#60E0:16#00	
AddressOffset_8070	UDINT	20		
BitOffset_8070	USINT	0		
BitLength_8070	USINT	16		
Address_8070	STRING	'%QW10'		
Type_8070	STRING	'UINT'		
AddressPointer_8070	POINTER TO BYTE	ADR(%QW10)		
NegativeTorqueLimit	INT	19011	19011	
Object_8080	STRING	16#60E1:16#00	16#60E1:16#00	position lag mode
AddressOffset_8080	UDINT	22		
BitOffset_8080	USINT	0		
BitLength_8080	USINT	16		
Address_8080	STRING	'%QW11'		
Type_8080	STRING	'UINT'		
AddressPointer_8080	POINTER TO BYTE	ADR(%QW11)		
set target velocity (diSetTargetVelocity)	INT	19100	19100	
Object_8090	STRING	16#60FF:16#00	16#60FF:16#00	
AddressOffset_8090	UDINT	4294967295		
BitOffset_8090	USINT	0		
BitLength_8090	USINT	0		
Address_8090	STRING	'		
Type_8090	STRING	'		
AddressPointer_8090	POINTER TO BYTE	0		
Lenze Controlword	INT	19110	19110	
Object_8100	STRING	16#2830:16#00	16#2830:16#00	maximum position lag
AddressOffset_8100	UDINT	2		
BitOffset_8100	USINT	0		
BitLength_8100	USINT	16		
Address_8100	STRING	'%QW1'		
Type_8100	STRING	'UINT'		
AddressPointer_8100	POINTER TO BYTE	ADR(%QW1)		
set torque (diSetTorque)	INT	19120	19120	
Object_8110	STRING	16#6071:16#00	16#6071:16#00	
AddressOffset_8110	UDINT	4294967295		
BitOffset_8110	USINT	0		
BitLength_8110	USINT	0		
Address_8110	STRING	'		
Type_8110	STRING	'		

AddressPointer_8110	POINTER TO BYTE	0	
Speed contr: Load value (iSpeedContrLoadVal)	INT	19130	19130
Object_8120	STRING	16#2902:16#00	16#2902:16#00
AddressOffset_8120	UDINT	16	
BitOffset_8120	USINT	0	
BitLength_8120	USINT	16	
Address_8120	STRING	'%QW8'	
Type_8120	STRING	'INT'	
AddressPointer_8120	POINTER TO BYTE	ADR(%QW8)	
T-mode: Upper speed limit (diTModeUpperSpeedLimit)	DINT	19140	19140
Object_8130	STRING	16#2946:16#01	16#2946:16#01
AddressOffset_8130	UDINT	24	
BitOffset_8130	USINT	0	
BitLength_8130	USINT	32	
Address_8130	STRING	'%QD6'	
Type_8130	STRING	'DINT'	
AddressPointer_8130	POINTER TO BYTE	ADR(%QD6)	
T-mode: Lower speed limit (diTModeLowerSpeedLimit)	DINT	19150	19150
Object_8140	STRING	16#2946:16#02	16#2946:16#02
AddressOffset_8140	UDINT	28	
BitOffset_8140	USINT	0	
BitLength_8140	USINT	32	
Address_8140	STRING	'%QD7'	
Type_8140	STRING	'DINT'	
AddressPointer_8140	POINTER TO BYTE	ADR(%QD7)	
NumberOfInputMappingParams	INT	15	15
status word (in.wStatusWord)	INT	20065	20065
Object_8510	STRING	16#6041:16#00	16#6041:16#00
AddressOffset_8510	UDINT	0	
BitOffset_8510	USINT	0	
BitLength_8510	USINT	16	
Address_8510	STRING	'%IW0'	
Type_8510	STRING	'UINT'	
AddressPointer_8510	POINTER TO BYTE	ADR(%IW0)	
actual position (diActPosition)	INT	1109	1109
Object_8520	STRING	16#6064:16#00	16#6064:16#00
AddressOffset_8520	UDINT	16	
BitOffset_8520	USINT	0	
BitLength_8520	USINT	32	
Address_8520	STRING	'%ID4'	
Type_8520	STRING	'DINT'	
AddressPointer_8520	POINTER TO BYTE	ADR(%ID4)	
actual controller mode (byRealControllerMode)	INT	20097	20097
Object_8530	STRING	16#6061:16#00	16#6061:16#00
AddressOffset_8530	UDINT	4	
BitOffset_8530	USINT	0	
BitLength_8530	USINT	8	
Address_8530	STRING	'%IB4'	
Type_8530	STRING	'SINT'	
AddressPointer_8530	POINTER TO BYTE	ADR(%IB4)	

actual velocity (diActVelocity)	INT	1119	1119
Object_8540	STRING	16#606C:16#00	16#606C:16#00
AddressOffset_8540	UDINT	8	
BitOffset_8540	USINT	0	
BitLength_8540	USINT	32	
Address_8540	STRING	'%ID2'	
Type_8540	STRING	'DINT'	
AddressPointer_8540	POINTER TO BYTE	ADR(%ID2)	
actual torque (diActVelocity)	INT	1169	1169
Object_8550	STRING	16#6077:16#00	16#6077:16#00
AddressOffset_8550	UDINT	12	
BitOffset_8550	USINT	0	
BitLength_8550	USINT	16	
Address_8550	STRING	'%IW6'	
Type_8550	STRING	'INT'	
AddressPointer_8550	POINTER TO BYTE	ADR(%IW6)	
TP StatusWord	INT	29000	29000
Object_8560	STRING	16#60B9:16#00	16#60B9:16#00
AddressOffset_8560	UDINT	24	
BitOffset_8560	USINT	0	
BitLength_8560	USINT	16	
Address_8560	STRING	'%IW12'	
Type_8560	STRING	'UINT'	
AddressPointer_8560	POINTER TO BYTE	ADR(%IW12)	
TP1 PosEdgeValue	INT	29001	29001
Object_8570	STRING	16#60BA:16#00	16#60BA:16#00
AddressOffset_8570	UDINT	28	
BitOffset_8570	USINT	0	
BitLength_8570	USINT	32	
Address_8570	STRING	'%ID7'	
Type_8570	STRING	'DINT'	
AddressPointer_8570	POINTER TO BYTE	ADR(%ID7)	
TP1 NegEdgeValue	INT	29002	29002
Object_8580	STRING	16#60BB:16#00	16#60BB:16#00
AddressOffset_8580	UDINT	32	
BitOffset_8580	USINT	0	
BitLength_8580	USINT	32	
Address_8580	STRING	'%ID8'	
Type_8580	STRING	'DINT'	
AddressPointer_8580	POINTER TO BYTE	ADR(%ID8)	
TP2 PosEdgeValue	INT	29003	29003
Object_8590	STRING	16#60BC:16#00	16#60BC:16#00
AddressOffset_8590	UDINT	36	
BitOffset_8590	USINT	0	
BitLength_8590	USINT	32	
Address_8590	STRING	'%ID9'	
Type_8590	STRING	'DINT'	
AddressPointer_8590	POINTER TO BYTE	ADR(%ID9)	
TP2 NegEdgeValue	INT	29004	29004
Object_8600	STRING	16#60BD:16#00	16#60BD:16#00
AddressOffset_8600	UDINT	40	
BitOffset_8600	USINT	0	
BitLength_8600	USINT	32	
Address_8600	STRING	'%ID10'	
Type_8600	STRING	'DINT'	
AddressPointer_8600	POINTER TO BYTE	ADR(%ID10)	

1.3.1.1 : SM\_Drive\_ETC\_i700

AxisErrorID	INT	1031	1031
Object_8610	STRING	16#603F:16#00	16#603F:16#00
AddressOffset_8610	UDINT	6	
BitOffset_8610	USINT	0	
BitLength_8610	USINT	16	
Address_8610	STRING	'%IW3'	
Type_8610	STRING	'UINT'	
AddressPointer_8610	POINTER TO BYTE	ADR(%IW3)	
actual following error	INT	29100	29100
Object_8620	STRING	16#60F4:16#00	16#60F4:16#00
AddressOffset_8620	UDINT	20	
BitOffset_8620	USINT	0	
BitLength_8620	USINT	32	
Address_8620	STRING	'%ID5'	
Type_8620	STRING	'DINT'	
AddressPointer_8620	POINTER TO BYTE	ADR(%ID5)	
Lenze Statusword	INT	29110	29110
Object_8630	STRING	16#2831:16#00	16#2831:16#00
AddressOffset_8630	UDINT	2	
BitOffset_8630	USINT	0	
BitLength_8630	USINT	16	
Address_8630	STRING	'%IW1'	
Type_8630	STRING	'UINT'	
AddressPointer_8630	POINTER TO BYTE	ADR(%IW1)	
Lenze Statusword 2	INT	29120	29120
Object_8640	STRING	16#2833:16#00	16#2833:16#00
AddressOffset_8640	UDINT	44	
BitOffset_8640	USINT	0	
BitLength_8640	USINT	16	
Address_8640	STRING	'%IW22'	
Type_8640	STRING	'UINT'	
AddressPointer_8640	POINTER TO BYTE	ADR(%IW22)	
Digital Inputs	INT	29130	29130
Object_8650	STRING	16#60FD:16#00	16#60FD:16#00
AddressOffset_8650	UDINT	48	
BitOffset_8650	USINT	0	
BitLength_8650	USINT	32	
Address_8650	STRING	'%ID12'	
Type_8650	STRING	'UDINT'	
AddressPointer_8650	POINTER TO BYTE	ADR(%ID12)	
Automatic Mapping	BOOL	TRUE	TRUE

**SoftMotion I/O Mapping**

**IEC objects:**

Variable: Type:  
SM\_Drive\_ETC\_i700 AXIS\_REF\_ETC\_LENZE\_i700\_Slot\_0

**Information**

Name: SM\_Drive\_ETC\_LENZE\_i700\_Slot\_A  
Vendor: Lenze  
Categories: EtherCAT drives  
Type: 1027

1.3.1.1 : SM\_Drive\_ETC\_i700

ID: 1028 0201  
Version: 1.1.0.0  
Order number: ---  
Description: SoftMotion property of drives supporting EtherCAT CoE Cyclic SYNC modes



1.3.1.2 : SM\_Drive\_ETC\_i700\_1

**SoftMotion Parameters**

**Parameters:**

Name:	Type:	Value:	Default Value:	Unit:	Description:
wDriveID	WORD	5	1		ID of drive
bVirtual	BOOL	FALSE	FALSE		drive is simulated
dwRatioTechUnitsDenom	DWORD	65536	65536		conversion inc./tech.units denominator
iRatioTechUnitsNum	INT	1	1		conversion inc./tech.units numerator
iMovementType	INT	0	0		movement type: 0: rotary/modulo, 1: linear
fPositionPeriod	LREAL	360.0	360.0		modulo value for rotary drives
eRampType	INT	0	0		selects the velocity ramp type used by the FBs
fSWMMaxVelocity	LREAL	1000.0	1000.0		maximum velocity value used for limit check at SMC_ControlAxisByPos
fSWMMaxAcceleration	LREAL	10000.0	10000.0		maximum acceleration value used for limit check at SMC_ControlAxisByPos
fSWMMaxDeceleration	LREAL	10000.0	10000.0		maximum deceleration value used for limit check at SMC_ControlAxisByPos
fRampJerk	LREAL	1e7	1e7		jerk used for bringing acceleration to 0 when sin <sup>2</sup> ramp is interrupted
fSWLimitPositive	LREAL	1000.0	1000.0		software limit position in positive direction
fSWLimitNegative	LREAL	0.0	0.0		software limit position in negative direction
fSWLimitNegative	BOOL	FALSE	FALSE		software limit position in negative direction
eCheckPositionLag	INT	0	0		position lag mode
fMaxPositionLag	LREAL	1.0	1.0		maximum position lag
ScalingIncs	DINT	65536	65536		
ScalingMotorTurns1	DINT	1	1		
ScalingMotorTurns2	DINT	1	1		
ScalingGearOutput1	DINT	1	1		
ScalingGearOutput2	DINT	1	1		
ScalingUnits	DINT	1	1		
InvertDirection	BOOL	FALSE	FALSE		
NumberOfOutputMappingP	INT	14	14		
arams					
ControlWord (out.wControlWord)	INT	10064	10064		
Object_8010	STRING	16#6840:16#00	16#6840:16#00		

AddressOffset_8010	UDINT	32	
BitOffset_8010	USINT	0	
BitLength_8010	USINT	16	
Address_8010	STRING	"%QW16"	
Type_8010	STRING	'UINT'	
AddressPointer_8010	POINTER TO BYTE	ADR(%QW16)	
set position (diSetPosition)	INT	1108	1108
Object_8020	STRING	16#687A:16#00	16#687A:16#00
AddressOffset_8020	UDINT	40	
BitOffset_8020	USINT	0	
BitLength_8020	USINT	32	
Address_8020	STRING	"%QD10"	
Type_8020	STRING	'DINT'	
AddressPointer_8020	POINTER TO BYTE	ADR(%QD10)	
controller mode (byControllerMode)	INT	10096	10096
Object_8030	STRING	16#6860:16#00	16#6860:16#00
AddressOffset_8030	UDINT	36	
BitOffset_8030	USINT	0	
BitLength_8030	USINT	8	
Address_8030	STRING	"%QB36"	
Type_8030	STRING	'SINT'	
AddressPointer_8030	POINTER TO BYTE	ADR(%QB36)	
set velocity (diSetVelocity)	INT	1118	1118
Object_8040	STRING	16#68B1:16#00	16#68B1:16#00
AddressOffset_8040	UDINT	44	
BitOffset_8040	USINT	0	
BitLength_8040	USINT	32	
Address_8040	STRING	"%QD11"	
Type_8040	STRING	'DINT'	
AddressPointer_8040	POINTER TO BYTE	ADR(%QD11)	
torque offset (iTorqueOffset)	INT	1168	1168
Object_8050	STRING	16#68B2:16#00	16#68B2:16#00
AddressOffset_8050	UDINT	38	
BitOffset_8050	USINT	0	
BitLength_8050	USINT	16	
Address_8050	STRING	"%QW19"	
Type_8050	STRING	'INT'	
AddressPointer_8050	POINTER TO BYTE	ADR(%QW19)	
TP ControlWord	INT	19000	19000
Object_8060	STRING	16#68B8:16#00	16#68B8:16#00
AddressOffset_8060	UDINT	50	
BitOffset_8060	USINT	0	
BitLength_8060	USINT	16	
Address_8060	STRING	"%QW25"	
Type_8060	STRING	'UINT'	
AddressPointer_8060	POINTER TO BYTE	ADR(%QW25)	
PositiveTorqueLimit	INT	19010	19010
Object_8070	STRING	16#68E0:16#00	16#68E0:16#00
AddressOffset_8070	UDINT	52	
BitOffset_8070	USINT	0	
BitLength_8070	USINT	16	
Address_8070	STRING	"%QW26"	
Type_8070	STRING	'UINT'	
AddressPointer_8070	POINTER TO BYTE	ADR(%QW26)	
NegativeTorqueLimit	INT	19011	19011
Object_8080	STRING	16#68E1:16#00	16#68E1:16#00

AddressOffset_8080	UDINT	54	
BitOffset_8080	USINT	0	
BitLength_8080	USINT	16	
Address_8080	STRING	"%QW27"	
Type_8080	STRING	'UINT'	
AddressPointer_8080	POINTER TO BYTE	ADR(%QW27)	
set target velocity (diSetTargetVelocity)	INT	19100	19100
Object_8090	STRING	16#68FF:16#00	16#68FF:16#00
AddressOffset_8090	UDINT	4294967295	
BitOffset_8090	USINT	0	
BitLength_8090	USINT	0	
Address_8090	STRING	"	
Type_8090	STRING	"	
AddressPointer_8090	POINTER TO BYTE	0	
Lenze Controlword	INT	19110	19110
Object_8100	STRING	16#3030:16#00	16#3030:16#00
AddressOffset_8100	UDINT	34	
BitOffset_8100	USINT	0	
BitLength_8100	USINT	16	
Address_8100	STRING	"%QW17"	
Type_8100	STRING	'UINT'	
AddressPointer_8100	POINTER TO BYTE	ADR(%QW17)	
set torque (diSetTorque)	INT	19120	19120
Object_8110	STRING	16#6871:16#00	16#6871:16#00
AddressOffset_8110	UDINT	4294967295	
BitOffset_8110	USINT	0	
BitLength_8110	USINT	0	
Address_8110	STRING	"	
Type_8110	STRING	"	
AddressPointer_8110	POINTER TO BYTE	0	
Speed contr: Load value (iSpeedContrlLoadVal)	INT	19130	19130
Object_8120	STRING	16#3102:16#00	16#3102:16#00
AddressOffset_8120	UDINT	48	
BitOffset_8120	USINT	0	
BitLength_8120	USINT	16	
Address_8120	STRING	"%QW24"	
Type_8120	STRING	'INT'	
AddressPointer_8120	POINTER TO BYTE	ADR(%QW24)	
T-mode: Upper speed limit (diTModeUpperSpeedLimit)	DINT	19140	19140
Object_8130	STRING	16#3146:16#01	16#3146:16#01
AddressOffset_8130	UDINT	56	
BitOffset_8130	USINT	0	
BitLength_8130	USINT	32	
Address_8130	STRING	"%QD14"	
Type_8130	STRING	'DINT'	
AddressPointer_8130	POINTER TO BYTE	ADR(%QD14)	
T-mode: Lower speed limit (diTModeLowerSpeedLimit)	DINT	19150	19150
Object_8140	STRING	16#3146:16#02	16#3146:16#02
AddressOffset_8140	UDINT	60	
BitOffset_8140	USINT	0	
BitLength_8140	USINT	32	
Address_8140	STRING	"%QD15"	
Type_8140	STRING	'DINT'	



AddressPointer_8140	POINTER TO BYTE	ADR(%QD15)		
NumberOfInputMappingParameters	INT	15	15	
status word (in.wStatusWord)	INT	20065	20065	
Object_8510	STRING	16#6841:16#00	16#6841:16#00	
AddressOffset_8510	UDINT	52		
BitOffset_8510	USINT	0		
BitLength_8510	USINT	16		
Address_8510	STRING	"%IW26"		
Type_8510	STRING	'UINT'		
AddressPointer_8510	POINTER TO BYTE	ADR(%IW26)		
actual position (diActPosition)	INT	1109	1109	
Object_8520	STRING	16#6864:16#00	16#6864:16#00	
AddressOffset_8520	UDINT	68		
BitOffset_8520	USINT	0		
BitLength_8520	USINT	32		
Address_8520	STRING	"%ID17"		
Type_8520	STRING	'DINT'		
AddressPointer_8520	POINTER TO BYTE	ADR(%ID17)		
actual controller mode (byRealControllerMode)	INT	20097	20097	
Object_8530	STRING	16#6861:16#00	16#6861:16#00	
AddressOffset_8530	UDINT	56		
BitOffset_8530	USINT	0		
BitLength_8530	USINT	8		
Address_8530	STRING	"%IB56"		
Type_8530	STRING	'SINT'		
AddressPointer_8530	POINTER TO BYTE	ADR(%IB56)		
actual velocity (diActVelocity)	INT	1119	1119	
Object_8540	STRING	16#686C:16#00	16#686C:16#00	
AddressOffset_8540	UDINT	60		
BitOffset_8540	USINT	0		
BitLength_8540	USINT	32		
Address_8540	STRING	"%ID15"		
Type_8540	STRING	'DINT'		
AddressPointer_8540	POINTER TO BYTE	ADR(%ID15)		
actual torque (diActVelocity)	INT	1169	1169	
Object_8550	STRING	16#6877:16#00	16#6877:16#00	
AddressOffset_8550	UDINT	64		
BitOffset_8550	USINT	0		
BitLength_8550	USINT	16		
Address_8550	STRING	"%IW32"		
Type_8550	STRING	'INT'		
AddressPointer_8550	POINTER TO BYTE	ADR(%IW32)		
TP StatusWord	INT	29000	29000	
Object_8560	STRING	16#68B9:16#00	16#68B9:16#00	
AddressOffset_8560	UDINT	76		
BitOffset_8560	USINT	0		
BitLength_8560	USINT	16		
Address_8560	STRING	"%IW38"		
Type_8560	STRING	'UINT'		
AddressPointer_8560	POINTER TO BYTE	ADR(%IW38)		
TP1 PosEdgeValue	INT	29001	29001	
Object_8570	STRING	16#68BA:16#00	16#68BA:16#00	
AddressOffset_8570	UDINT	80		

BitOffset_8570	USINT	0		
BitLength_8570	USINT	32		
Address_8570	STRING	"%ID20"		
Type_8570	STRING	'DINT'		
AddressPointer_8570	POINTER TO BYTE	ADR(%ID20)		
TP1 NegEdgeValue	INT	29002	29002	
Object_8580	STRING	16#68BB:16#00	16#68BB:16#00	
AddressOffset_8580	UDINT	84		
BitOffset_8580	USINT	0		
BitLength_8580	USINT	32		
Address_8580	STRING	"%ID21"		
Type_8580	STRING	'DINT'		
AddressPointer_8580	POINTER TO BYTE	ADR(%ID21)		
TP2 PosEdgeValue	INT	29003	29003	
Object_8590	STRING	16#68BC:16#00	16#68BC:16#00	
AddressOffset_8590	UDINT	88		
BitOffset_8590	USINT	0		
BitLength_8590	USINT	32		
Address_8590	STRING	"%ID22"		
Type_8590	STRING	'DINT'		
AddressPointer_8590	POINTER TO BYTE	ADR(%ID22)		
TP2 NegEdgeValue	INT	29004	29004	
Object_8600	STRING	16#68BD:16#00	16#68BD:16#00	
AddressOffset_8600	UDINT	92		
BitOffset_8600	USINT	0		
BitLength_8600	USINT	32		
Address_8600	STRING	"%ID23"		
Type_8600	STRING	'DINT'		
AddressPointer_8600	POINTER TO BYTE	ADR(%ID23)		
AxisErrorID	INT	1031	1031	
Object_8610	STRING	16#683F:16#00	16#683F:16#00	
AddressOffset_8610	UDINT	58		
BitOffset_8610	USINT	0		
BitLength_8610	USINT	16		
Address_8610	STRING	"%IW29"		
Type_8610	STRING	'UINT'		
AddressPointer_8610	POINTER TO BYTE	ADR(%IW29)		
actual following error	INT	29100	29100	
Object_8620	STRING	16#68F4:16#00	16#68F4:16#00	
AddressOffset_8620	UDINT	72		
BitOffset_8620	USINT	0		
BitLength_8620	USINT	32		
Address_8620	STRING	"%ID18"		
Type_8620	STRING	'DINT'		
AddressPointer_8620	POINTER TO BYTE	ADR(%ID18)		
Lenze Statusword	INT	29110	29110	
Object_8630	STRING	16#3031:16#00	16#3031:16#00	
AddressOffset_8630	UDINT	54		
BitOffset_8630	USINT	0		
BitLength_8630	USINT	16		
Address_8630	STRING	"%IW27"		
Type_8630	STRING	'UINT'		
AddressPointer_8630	POINTER TO BYTE	ADR(%IW27)		
Lenze Statusword 2	INT	29120	29120	
Object_8640	STRING	16#3033:16#00	16#3033:16#00	
AddressOffset_8640	UDINT	96		
BitOffset_8640	USINT	0		
BitLength_8640	USINT	16		

1.3.1.2 : SM\_Drive\_ETC\_i700\_1

Address_8640	STRING	'%IW48'	
Type_8640	STRING	'UINT'	
AddressPointer_8640	POINTER TO BYTE	ADR(%IW48)	
Digital Inputs	INT	29130	29130
Object_8650	STRING	16#68FD:16#00	16#68FD:16#00
AddressOffset_8650	UDINT	100	
BitOffset_8650	USINT	0	
BitLength_8650	USINT	32	
Address_8650	STRING	'%ID25'	
Type_8650	STRING	'UDINT'	
AddressPointer_8650	POINTER TO BYTE	ADR(%ID25)	
Automatic Mapping	BOOL	TRUE	TRUE

**SoftMotion I/O Mapping**

**IEC objects:**

Variable: Type:  
SM\_Drive\_ETC\_i700\_1 AXIS\_REF\_ETC\_LENZE\_i700\_Slot\_1

**Information**

Name: SM\_Drive\_ETC\_LENZE\_i700\_Slot\_B  
Vendor: Lenze  
Categories: EtherCAT drives  
Type: 1027  
ID: 1028 0202  
Version: 1.1.0.0  
Order number: ---  
Description: SoftMotion property of drives supporting EtherCAT CoE Cyclic SYNC modes



**1.3.2 Device: L\_i700\_1**

**EtherCAT Parameters**

**Parameters:**

Name:	Type:	Value:	Default Value:	Unit:	Description:
Number of Outputs	DWORD	24	24		Number of Outputs
Number of Inputs	DWORD	30	30		Number of Inputs
Number of Infos about Outputs	DWORD	24	24		Number of Infos about Outputs
Physical Address of 1. Output	DWORD	3840	3840		Physical Address of 1. Output
Length of the first Output	DWORD	1	1		Length of the first Output
StartBit of the first Output	DWORD	0	0		StartBit of the first Output
EndBit of the first Output	DWORD	7	7		EndBit of the first Output
Number of Infos about Inputs	DWORD	30	30		Number of Infos about Inputs

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Physical Address of 1. Input	DWORD	3840	3840	Physical Address of 1. Input
Length of the first Input	DWORD	1	1	Length of the first Input
StartBit of the first Input	DWORD	0	0	StartBit of the first Input
EndBit of the first Input	DWORD	7	7	EndBit of the first Input
CheckProductID	BOOL	TRUE	TRUE	CheckProductID
CheckVendorID	BOOL	TRUE	TRUE	CheckVendorID
Timeout SDO Access	DWORD	1000	1000	Timeout SDO Access
Timeout Init to Preop	DWORD	3000	3000	Timeout Init to Preop
Timeout Preop to Safeop, SafeOp to Op	DWORD	10000	10000	Timeout Preop to Safeop, SafeOp to Op
Timeout Back to Init	DWORD	5000	5000	Timeout Back to Init
Timeout Back to SafeOp	DWORD	200	200	Timeout Back to SafeOp
Bootstrap config data	ARRAY[0..7] OF BYTE	[16#0,16#10,16#0,16#2,16#0,16#12,16#0,16#2]	[16#0,16#10,16#0,16#2,16#0,16#12,16#0,16#2]	Bootstrap config data
PDOAssign	BOOL	TRUE	TRUE	PDOAssign
PDOConfig	BOOL	TRUE	TRUE	PDOConfig
CompleteAccess	BOOL	FALSE	FALSE	CompleteAccess
Watchdog register 0400	WORD	2448	16#990	Watchdog register 0400
Watchdog register 0420	WORD	1000	16#3E8	Watchdog register 0420
Number of Identity Parameters	DWORD	4	4	Number of Identity Parameters
Vendor Id of the Slave	DWORD	59	59	Vendor Id of the Slave
Product Code of the Slave	DWORD	1762066434	1762066434	Product Code of the Slave
Revision Number of the Slave	DWORD	65545	65545	Revision Number of the Slave
Serialnumber of the Slave	DWORD	0	0	Serialnumber of the Slave
Physical Address of the Slave	DWORD	0	0	Physical Address of the Slave
AutoIncr Address of the Slave	DWORD	0	0	AutoIncr Address of the Slave
Number of SyncManagers of the Slave	DWORD	4	4	Number of SyncManagers of the Slave
Sync				
Physical Address	WORD	4096	4096	Physical Address
Length	UINT	16#0200	16#0200	Length
FlagTypeDir	BYTE	38	38	FlagTypeDir
FlagEvent	BYTE	0	0	FlagEvent
FlagControl	BYTE	1	1	FlagControl
SyncType	BYTE	3	3	SyncType
Virtual	BYTE			Virtual
Sync				
Physical Address	WORD	4608	4608	Physical Address
Length	UINT	16#0200	16#0200	Length
FlagTypeDir	BYTE	34	34	FlagTypeDir
FlagEvent	BYTE	0	0	FlagEvent
FlagControl	BYTE	1	1	FlagControl
SyncType	BYTE	2	2	SyncType

1.3.2 Device: L\_i700\_1

Virtual Sync	BYTE			Virtual Sync			
Physical Address	WORD	5120	5120	Physical Address			
Length	UINT	62	62	Length			
FlagTypeDir	BYTE	100	100	FlagTypeDir			
FlagEvent	BYTE	0	0	FlagEvent			
FlagControl	BYTE	1	1	FlagControl			
SyncType	BYTE	1	1	SyncType			
Virtual	BYTE	0	0	Virtual			
Physical Address	WORD	5888	5888	Physical Address			
Length	UINT	90	90	Length			
FlagTypeDir	BYTE	32	32	FlagTypeDir			
FlagEvent	BYTE	0	0	FlagEvent			
FlagControl	BYTE	1	1	FlagControl			
SyncType	BYTE	0	0	SyncType			
Virtual	BYTE	0	0	Virtual			
Number of FMMUs of the Slave	DWORD	3	3	Number of FMMUs of the Slave			
Global Start Address	DWORD	33554432	33554432	Global Start Address			
Length	UINT	62	62	Length			
StartBit	BYTE	0	0	StartBit			
EndBit	BYTE	7	7	EndBit			
Physical Start Address	UINT	5120	5120	Physical Start Address			
Logical Start Bit	BYTE	0	0	Logical Start Bit			
Access	BYTE	2	2	Access			
Flags	DWORD	1	1	Flags			
Global Start Address	DWORD	16777216	16777216	Global Start Address			
Length	UINT	90	90	Length			
StartBit	BYTE	0	0	StartBit			
EndBit	BYTE	7	7	EndBit			
Physical Start Address	UINT	5888	5888	Physical Start Address			
Logical Start Bit	BYTE	0	0	Logical Start Bit			
Access	BYTE	1	1	Access			
Flags	DWORD	1	1	Flags			
Global Start Address	DWORD	524288	524288	Global Start Address			
Length	UINT	1	1	Length			
StartBit	BYTE	0	0	StartBit			
EndBit	BYTE	0	0	EndBit			
Physical Start Address	UINT	2061	2061	Physical Start Address			
Logical Start Bit	BYTE	0	0	Logical Start Bit			
Access	BYTE	1	1	Access			
Flags	DWORD	1	1	Flags			
Number of RxPDOs of the Slave	DWORD	16	16	Number of RxPDOs of the Slave			
Number of TxPDOs of the Slave	DWORD	14	14	Number of TxPDOs of the Slave			
DC sync0 cycletime	DWORD	1000	0	DC sync0 cycletime			
DC enable	BOOL	1	1	DC enable			
DC sync0 enable	BOOL	1	1	DC sync0 enable			

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DC sync0 factor	STRING	'x 1'	'x 1'		
DC sync0 shift time	DWORD	0			
DC sync1 cycletime	DWORD	1000	0	DC sync1 cycletime	
DC sync1 enable	BOOL	0	FALSE	DC sync1 enable	
DC sync1 factor	STRING	'x 1'	'x 1'		
DC sync1 shift time	DWORD	0			
Number of SDO	UINT	0	0	Number of SDO	
RxTxPdo	INT	3			
NumberOfExcludes	INT	7			
Index	UINT	16#1600			
Fixed	BOOL	True			
Mandatory	BOOL	False			
Virtual	BOOL	False			
Sm	INT	2			
Su	INT	0			
Name	STRING	'Axis A: csp'			
DependOnSlot	BOOL	False			
DependOnSlotGroup	BOOL	False			
Exclude	ARRAY[0..2] OF UINT	[16#1601,16#1602,16#1603]			
Controlword	UINT	16#6040		Index	
SubIndex	UINT	0		SubIndex	
Size	UINT	16		Size	
Offset	UINT	0		Offset	
DependOnSlot	BOOL	False		DependOnSlot	
DependOnSlotGroup	BOOL	False		DependOnSlotGroup	
Lenze control word	UINT	16#2830		Index	
SubIndex	UINT	0		SubIndex	
Size	UINT	16		Size	
Offset	UINT	0		Offset	
DependOnSlot	BOOL	False		DependOnSlot	
DependOnSlotGroup	BOOL	False		DependOnSlotGroup	
Modes of operation	UINT	16#6060		Index	
SubIndex	UINT	0		SubIndex	
Size	UINT	8		Size	
Offset	UINT	0		Offset	
DependOnSlot	BOOL	False		DependOnSlot	
DependOnSlotGroup	BOOL	False		DependOnSlotGroup	
Torque offset	UINT	16#60B2		Index	
SubIndex	UINT	0		SubIndex	
Size	UINT	16		Size	
Offset	UINT	0		Offset	
DependOnSlot	BOOL	False		DependOnSlot	
DependOnSlotGroup	BOOL	False		DependOnSlotGroup	
Target position	UINT	16#607A		Index	
SubIndex	UINT	0		SubIndex	
Size	UINT	32		Size	

1.3.2 Device: L\_i700\_1

Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Velocity offset			Velocity offset		
Index	UINT	16#60B1	Index	UINT	16#60B1
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Speed controller: I component load value			Speed controller: I component load value		
Index	UINT	16#2902	Index	UINT	16#2902
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
RxTxPdo	INT	4	RxTxPdo	INT	4
NumberOfExcludes	INT	7	NumberOfExcludes	INT	7
Index	UINT	16#1601	Index	UINT	16#1601
Fixed	BOOL	True	Fixed	BOOL	True
Mandatory	BOOL	False	Mandatory	BOOL	False
Virtual	BOOL	False	Virtual	BOOL	False
Sm	INT	-1	Sm	INT	-1
Su	INT	0	Su	INT	0
Name	STRING	'Axis A: cst'	Name	STRING	'Axis A: cst'
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Exclude	ARRAY[0..3] OF UINT	[16#1600,16#1602,16#1603,16#1607]	Exclude	ARRAY[0..3] OF UINT	[16#1600,16#1602,16#1603,16#1607]
Controlword			Controlword		
Index	UINT	16#6040	Index	UINT	16#6040
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Lenze control word			Lenze control word		
Index	UINT	16#2830	Index	UINT	16#2830
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Modes of operation			Modes of operation		
Index	UINT	16#6060	Index	UINT	16#6060
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	8	Size	UINT	8
Offset	UINT	0	Offset	UINT	0

1.3.2 Device: L\_i700\_1

DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Torque offset			Torque offset		
Index	UINT	16#60B2	Index	UINT	16#60B2
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Target torque			Target torque		
Index	UINT	16#6071	Index	UINT	16#6071
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Speed limitation: Upper speed limit			Speed limitation: Upper speed limit		
Index	UINT	16#2946	Index	UINT	16#2946
SubIndex	UINT	1	SubIndex	UINT	1
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Speed limitation: Lower speed limit			Speed limitation: Lower speed limit		
Index	UINT	16#2946	Index	UINT	16#2946
SubIndex	UINT	2	SubIndex	UINT	2
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
RxTxPdo	INT	3	RxTxPdo	INT	3
NumberOfExcludes	INT	5	NumberOfExcludes	INT	5
Index	UINT	16#1602	Index	UINT	16#1602
Fixed	BOOL	True	Fixed	BOOL	True
Mandatory	BOOL	False	Mandatory	BOOL	False
Virtual	BOOL	False	Virtual	BOOL	False
Sm	INT	-1	Sm	INT	-1
Su	INT	0	Su	INT	0
Name	STRING	'Axis A: csv'	Name	STRING	'Axis A: csv'
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Exclude	ARRAY[0..2] OF UINT	[16#1600,16#1601,16#1603]	Exclude	ARRAY[0..2] OF UINT	[16#1600,16#1601,16#1603]
Controlword			Controlword		
Index	UINT	16#6040	Index	UINT	16#6040
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	16	Size	UINT	16
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False

1.3.2 Device: L\_i700\_1

DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze control word			
Index	UINT	16#2830	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6060	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque offset			
Index	UINT	16#60B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Target velocity			
Index	UINT	16#60FF	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo			
RxTxPdo	INT	3	RxTxPdo
NumberofExcludes			
NumberofEntries	INT	4	NumberofEntries
Index	UINT	16#1603	Index
Fixed	BOOL	True	Fixed
Mandatory	BOOL	False	Mandatory
Virtual	BOOL	False	Virtual
Sm	INT	-1	Sm
Su	INT	0	Su
Name	STRING	'Axis A: vI'	Name
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Exclude			
Exclude	ARRAY[0..2] OF UINT	[16#1600,16#1601,16#1602]	Exclude
Controlword			
Index	UINT	16#6040	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze control word			

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Index	UINT	16#2830	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6060	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
vI target velocity			
Index	UINT	16#6042	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo			
RxTxPdo	INT	0	RxTxPdo
NumberofExcludes			
NumberofEntries	INT	1	NumberofEntries
Index	UINT	16#1604	Index
Fixed	BOOL	True	Fixed
Mandatory	BOOL	False	Mandatory
Virtual	BOOL	False	Virtual
Sm	INT	2	Sm
Su	INT	0	Su
Name	STRING	'Axis A: TP'	Name
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Touch probe function			
Index	UINT	16#60B8	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo			
RxTxPdo	INT	0	RxTxPdo
NumberofExcludes			
NumberofEntries	INT	0	NumberofEntries
Index	UINT	16#1605	Index
Fixed	BOOL	False	Fixed
Mandatory	BOOL	False	Mandatory
Virtual	BOOL	False	Virtual
Sm	INT	-1	Sm
Su	INT	0	Su
Name	STRING	'Axis A: Free configuration'	Name
DependOnSlot	BOOL	False	DependOnSlot

1.3.2 Device: L\_i700\_1

DependOnSlotGroup	BOOL	False	
RxTxPdo	INT	0	
NumberOfExcludes			
NumberOfEntries	INT	2	
Index	UINT	16#1606	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis A: Torque limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Positive torque limit value			
Index	UINT	16#60E0	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Negative torque limit value			
Index	UINT	16#60E1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo	INT	0	
NumberOfExcludes			
NumberOfEntries	INT	2	
Index	UINT	16#1607	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis A: Speed limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Speed limitation:			
Upper speed limit			
Index	UINT	16#2946	Index
SubIndex	UINT	1	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Speed limitation:			
Lower speed limit			

1.3.2 Device: L\_i700\_1

Index	UINT	16#2946	Index
SubIndex	UINT	2	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo	INT	3	
NumberOfExcludes			
NumberOfEntries	INT	7	
Index	UINT	16#1610	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: csp'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Exclude	ARRAY[0..2] OF	[16#1611,16#1612,16	
	UINT	#1613]	
Controlword			
Index	UINT	16#6840	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze control word			
Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque offset			
Index	UINT	16#68B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Target position			
Index	UINT	16#687A	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size

1.3.2 Device: L\_i700\_1

Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Velocity offset					
Index	UINT	16#68B1	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Speed controller: I component load value					
Index	UINT	16#3102	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
RxTxPdo	INT	4			
NumberOfExcludes					
NumberOfEntries	INT	7			
Index	UINT	16#1611			
Fixed	BOOL	True			
Mandatory	BOOL	False			
Virtual	BOOL	False			
Sm	INT	-1			
Su	INT	0			
Name	STRING	'Axis B: cst'			
DependOnSlot	BOOL	False			
DependOnSlotGroup	BOOL	False			
Exclude	ARRAY[0..3] OF UINT	[16#1610,16#1612,16#1613,16#1617]			
Controlword					
Index	UINT	16#6840	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Lenze control word					
Index	UINT	16#3030	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Modes of operation					
Index	UINT	16#6860	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	8	Size		
Offset	UINT	0	Offset		

1.3.2 Device: L\_i700\_1

DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Torque offset					
Index	UINT	16#68B2	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Target torque					
Index	UINT	16#6871	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Speed limitation: Upper speed limit					
Index	UINT	16#3146	Index		
SubIndex	UINT	1	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Speed limitation: Lower speed limit					
Index	UINT	16#3146	Index		
SubIndex	UINT	2	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
RxTxPdo	INT	3			
NumberOfExcludes					
NumberOfEntries	INT	5			
Index	UINT	16#1612			
Fixed	BOOL	True			
Mandatory	BOOL	False			
Virtual	BOOL	False			
Sm	INT	-1			
Su	INT	0			
Name	STRING	'Axis B: csv'			
DependOnSlot	BOOL	False			
DependOnSlotGroup	BOOL	False			
Exclude	ARRAY[0..2] OF UINT	[16#1610,16#1611,16#1613]			
Controlword					
Index	UINT	16#6840	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		

1.3.2 Device: L\_i700\_1

DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze control word			
Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Torque offset			
Index	UINT	16#68B2	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Target velocity			
Index	UINT	16#68FF	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	3	
NumberOfExcludes	INT	4	
NumberOfEntries	UINT	16#1613	
Index	UINT	16#1613	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: v1'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1610,16#1611,16#1612]	
Controlword			
Index	UINT	16#6840	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze control word			

1.3.2 Device: L\_i700\_1

Index	UINT	16#3030	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation			
Index	UINT	16#6860	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
vi target velocity			
Index	UINT	16#6842	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	0	
NumberOfExcludes	INT	1	
NumberOfEntries	UINT	16#1614	
Index	UINT	16#1614	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: TP'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Touch probe function			
Index	UINT	16#68B8	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo	INT	0	
NumberOfExcludes	INT	0	
NumberOfEntries	UINT	16#1615	
Index	UINT	16#1615	
Fixed	BOOL	False	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: Free configuration'	
DependOnSlot	BOOL	False	



1.3.2 Device: L\_i700\_1

DependOnSlotGroup	BOOL	False	
RxTxPdo	INT	0	
NumberOfExcludes			
NumberOfEntries	INT	2	
Index	UINT	16#1616	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: Torque limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Positive torque limit			
value			
Index	UINT	16#68E0	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Negative torque limit			
value			
Index	UINT	16#68E1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo	INT	0	
NumberOfExcludes			
NumberOfEntries	INT	2	
Index	UINT	16#1617	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	2	
Su	INT	0	
Name	STRING	'Axis B: Speed limits'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Speed limitation:			
Upper speed limit			
Index	UINT	16#3146	Index
SubIndex	UINT	1	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Speed limitation:			
Lower speed limit			

1.3.2 Device: L\_i700\_1

Index	UINT	16#3146	Index
SubIndex	UINT	2	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo	INT	3	
NumberOfExcludes			
NumberOfEntries	INT	8	
Index	UINT	16#1A00	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	3	
Su	INT	0	
Name	STRING	'Axis A: csp'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
DependOnSlotGroup			
Exclude	ARRAY[0..2] OF	[16#1A01,16#1A02,1	
	UINT	6#1A03]	
Statusword			
Index	UINT	16#6041	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation			
display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Error code			
Index	UINT	16#603F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Velocity actual value			
Index	UINT	16#606C	Index
SubIndex	UINT	0	SubIndex

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Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Torque actual value					
Index	UINT	16#6077	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Position actual value					
Index	UINT	16#6064	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Following error actual value					
Index	UINT	16#60F4	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
RxTxPdo					
NumberofExcludes	INT	3	NumberofExcludes		
NumberofEntries	INT	6	NumberofEntries		
Index	UINT	16#1A01	Index		
Fixed	BOOL	True	Fixed		
Mandatory	BOOL	False	Mandatory		
Virtual	BOOL	False	Virtual		
Sm	INT	-1	Sm		
Su	INT	0	Su		
Name	STRING	'Axis A: cst'	Name		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Exclude					
Exclude	ARRAY[0..2] OF	[16#1A00,16#1A02,16#1A03]	Exclude		
Statusword	UINT		Statusword		
Index	UINT	16#6041	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Lenze status word					
Index	UINT	16#2831	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		

1.3.2 Device: L\_i700\_1

DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Modes of operation display					
Index	UINT	16#6061	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	8	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Error code					
Index	UINT	16#603F	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Velocity actual value					
Index	UINT	16#606C	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Torque actual value					
Index	UINT	16#6077	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
RxTxPdo					
NumberofExcludes	INT	3	NumberofExcludes		
NumberofEntries	INT	7	NumberofEntries		
Index	UINT	16#1A02	Index		
Fixed	BOOL	True	Fixed		
Mandatory	BOOL	False	Mandatory		
Virtual	BOOL	False	Virtual		
Sm	INT	-1	Sm		
Su	INT	0	Su		
Name	STRING	'Axis A: csv'	Name		
DependOnSlot	BOOL	False	DependOnSlot		
DependOnSlotGroup	BOOL	False	DependOnSlotGroup		
Exclude					
Exclude	ARRAY[0..2] OF	[16#1A00,16#1A01,16#1A03]	Exclude		
Statusword	UINT		Statusword		
Index	UINT	16#6041	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		

1.3.2 Device: L\_i700\_1

DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Error code			
Index	UINT	16#603F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Velocity actual value			
Index	UINT	16#606C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque actual value			
Index	UINT	16#6077	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Position actual value			
Index	UINT	16#6064	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo	INT	3	
NumberOfExcludes			
NumberOfEntries	INT	5	
Index	UINT	16#1A03	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	

1.3.2 Device: L\_i700\_1

Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis A: v'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude	ARRAY[0..2] OF UINT	[16#1A00,16#1A01,16#1A02]	
Statusword			
Index	UINT	16#6041	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze status word			
Index	UINT	16#2831	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation display			
Index	UINT	16#6061	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Error code			
Index	UINT	16#603F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
vi velocity actual value			
Index	UINT	16#6044	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
RxTxPdo	INT	0	
NumberOfExcludes			
NumberOfEntries	INT	5	
Index	UINT	16#1A04	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	3	

1.3.2 Device: L\_i700\_1

Su	INT	0		
Name	STRING	'Axis A: TP'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
Touch probe status				
Index	UINT	16#60B9	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Touch probe pos1				
pos value				
Index	UINT	16#60BA	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Touch probe pos1				
neg value				
Index	UINT	16#60BB	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Touch probe pos2				
pos value				
Index	UINT	16#60BC	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Touch probe pos2				
neg value				
Index	UINT	16#60BD	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
RxTxPdo	INT	0		
NumberOfExcludes	INT	0		
Index	UINT	16#1A05		
Fixed	BOOL	False		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	-1		
Su	INT	0		

1.3.2 Device: L\_i700\_1

Name	STRING	'Axis A: Free configuration'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
RxTxPdo	INT	0		
NumberOfExcludes	INT	2		
Index	UINT	16#1A06		
Fixed	BOOL	False		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	3		
Su	INT	0		
Name	STRING	'Axis A: Additional status information'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
Lenze statusword 2				
Index	UINT	16#2833	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
Digital inputs				
Index	UINT	16#60FD	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	32	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	
RxTxPdo	INT	3		
NumberOfExcludes	INT	8		
Index	UINT	16#1A10		
Fixed	BOOL	True		
Mandatory	BOOL	False		
Virtual	BOOL	False		
Sm	INT	3		
Su	INT	0		
Name	STRING	'Axis B: csp'		
DependOnSlot	BOOL	False		
DependOnSlotGroup	BOOL	False		
Exclude	ARRAY[0..2] OF UINT	[16#1A11,16#1A12,16#1A13]		
Statusword				
Index	UINT	16#6841	Index	
SubIndex	UINT	0	SubIndex	
Size	UINT	16	Size	
Offset	UINT	0	Offset	
DependOnSlot	BOOL	False	DependOnSlot	

DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#3031	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation display			
Index	UINT	16#6861	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Error code			
Index	UINT	16#683F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Velocity actual value			
Index	UINT	16#686C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Torque actual value			
Index	UINT	16#6877	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Position actual value			
Index	UINT	16#6864	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Following error actual value			
Index	UINT	16#68F4	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot

DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
Index	INT	3	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
NumberofExcludes			
Index	INT	3	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
NumberofEntries			
Index	INT	6	Index
SubIndex	UINT	16#1A11	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	True	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Mandatory			
Index	INT	-1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Virtual			
Index	INT	-1	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Name			
Index	STRING	'Axis B: cst'	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Exclude			
Index	ARRAY[0..2] OF	[16#1A10,16#1A12,1	Index
SubIndex	UINT	6#1A13]	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Statusword			
Index	UINT	16#6841	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Lenze status word			
Index	UINT	16#3031	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Modes of operation display			
Index	UINT	16#6861	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Error code			
Index	UINT	16#683F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			
Velocity actual value			
Index	UINT	16#686C	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
DependOnSlotGroup			

Torque actual value			
Index	UINT	16#6877	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
NumberOfExcludes	INT	3	
NumberOfEntries	INT	7	
Index	UINT	16#1A12	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: csv'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude			
Exclude	ARRAY[0..2] OF UINT	[16#1A10,16#1A11,16#1A13]	
Statusword			
Index	UINT	16#6841	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#3031	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation display			
Index	UINT	16#6861	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Error code			
Index	UINT	16#683F	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Velocity actual value			
Index	UINT	16#686C	Index

SubIndex			
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Torque actual value			
Index	UINT	16#6877	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Position actual value			
Index	UINT	16#6864	Index
SubIndex	UINT	0	SubIndex
Size	UINT	32	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
RxTxPdo			
NumberOfExcludes	INT	3	
NumberOfEntries	INT	5	
Index	UINT	16#1A13	
Fixed	BOOL	True	
Mandatory	BOOL	False	
Virtual	BOOL	False	
Sm	INT	-1	
Su	INT	0	
Name	STRING	'Axis B: v'	
DependOnSlot	BOOL	False	
DependOnSlotGroup	BOOL	False	
Exclude			
Exclude	ARRAY[0..2] OF UINT	[16#1A10,16#1A11,16#1A12]	
Statusword			
Index	UINT	16#6841	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Lenze status word			
Index	UINT	16#3031	Index
SubIndex	UINT	0	SubIndex
Size	UINT	16	Size
Offset	UINT	0	Offset
DependOnSlot	BOOL	False	DependOnSlot
DependOnSlotGroup	BOOL	False	DependOnSlotGroup
Modes of operation display			
Index	UINT	16#6861	Index
SubIndex	UINT	0	SubIndex
Size	UINT	8	Size

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Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
Error code					
Index	UINT	16#683F	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
vi velocity actual					
value					
Index	UINT	16#6844	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
RxTxPdo	INT	0			
NumberofExcludes					
NumberofEntries	INT	5			
Index	UINT	16#1A14			
Fixed	BOOL	True			
Mandatory	BOOL	False			
Virtual	BOOL	False			
Sm	INT	3			
Su	INT	0			
Name	STRING	'Axis B: TP'			
DependOnSlot	BOOL	False			
	BOOL	False			
DependOnSlotGroup					
Touch probe status					
Index	UINT	16#68B9	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
Touch probe pos1					
pos value					
Index	UINT	16#68BA	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
Touch probe pos1					
neg value					
Index	UINT	16#68BB	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		

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	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
Touch probe pos2					
pos value					
Index	UINT	16#68BC	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
Touch probe pos2					
neg value					
Index	UINT	16#68BD	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	32	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
RxTxPdo	INT	0			
NumberofExcludes					
NumberofEntries	INT	0			
Index	UINT	16#1A15			
Fixed	BOOL	False			
Mandatory	BOOL	False			
Virtual	BOOL	False			
Sm	INT	-1			
Su	INT	0			
Name	STRING	'Axis B: Free configuration'			
DependOnSlot	BOOL	False			
	BOOL	False			
DependOnSlotGroup					
RxTxPdo	INT	0			
NumberofExcludes					
NumberofEntries	INT	2			
Index	UINT	16#1A16			
Fixed	BOOL	False			
Mandatory	BOOL	False			
Virtual	BOOL	False			
Sm	INT	3			
Su	INT	0			
Name	STRING	'Axis B: Additional status information'			
DependOnSlot	BOOL	False			
	BOOL	False			
DependOnSlotGroup					
Lenze statusword 2					
Index	UINT	16#3033	Index		
SubIndex	UINT	0	SubIndex		
Size	UINT	16	Size		
Offset	UINT	0	Offset		
DependOnSlot	BOOL	False	DependOnSlot		
	BOOL	False	DependOnSlotGroup		
DependOnSlotGroup					
Digital inputs					

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Index	UINT	16#68FD	Index	UINT	16#68FD
SubIndex	UINT	0	SubIndex	UINT	0
Size	UINT	32	Size	UINT	32
Offset	UINT	0	Offset	UINT	0
DependOnSlot	BOOL	False	DependOnSlot	BOOL	False
DependOnSlotGroup	BOOL	False	DependOnSlotGroup	BOOL	False
Controlword			Controlword		
Name	STRING	'Controlword'	Name	STRING	'Controlword'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze control word			Lenze control word		
Name	STRING	'Lenze control word'	Name	STRING	'Lenze control word'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Modes of operation			Modes of operation		
Name	STRING	'Modes of operation'	Name	STRING	'Modes of operation'
DataType	STRING	'SINT'	DataType	STRING	'SINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Torque offset			Torque offset		
Name	STRING	'Torque offset'	Name	STRING	'Torque offset'
DataType	STRING	'INT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Target position			Target position		
Name	STRING	'Target position'	Name	STRING	'Target position'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Velocity offset			Velocity offset		
Name	STRING	'Velocity offset'	Name	STRING	'Velocity offset'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Speed controller: I component load value			Speed controller: I component load value		
Name	STRING	'Speed controller: I component load value'	Name	STRING	'Speed controller: I component load value'
DataType	STRING	'INT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Controlword			Controlword		
Name	STRING	'Controlword'	Name	STRING	'Controlword'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze control word			Lenze control word		
Name	STRING	'Lenze control word'	Name	STRING	'Lenze control word'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Modes of operation			Modes of operation		
Name	STRING	'Modes of operation'	Name	STRING	'Modes of operation'
DataType	STRING	'SINT'	DataType	STRING	'SINT'

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Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Torque offset			Torque offset		
Name	STRING	'Torque offset'	Name	STRING	'Torque offset'
DataType	STRING	'INT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Target torque			Target torque		
Name	STRING	'Target torque'	Name	STRING	'Target torque'
DataType	STRING	'INT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Speed limitation: Upper speed limit			Speed limitation: Upper speed limit		
Name	STRING	'Speed limitation: Upper speed limit'	Name	STRING	'Speed limitation: Upper speed limit'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Speed limitation: Lower speed limit			Speed limitation: Lower speed limit		
Name	STRING	'Speed limitation: Lower speed limit'	Name	STRING	'Speed limitation: Lower speed limit'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Controlword			Controlword		
Name	STRING	'Controlword'	Name	STRING	'Controlword'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze control word			Lenze control word		
Name	STRING	'Lenze control word'	Name	STRING	'Lenze control word'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Modes of operation			Modes of operation		
Name	STRING	'Modes of operation'	Name	STRING	'Modes of operation'
DataType	STRING	'SINT'	DataType	STRING	'SINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Torque offset			Torque offset		
Name	STRING	'Torque offset'	Name	STRING	'Torque offset'
DataType	STRING	'INT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Target velocity			Target velocity		
Name	STRING	'Target velocity'	Name	STRING	'Target velocity'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Controlword			Controlword		
Name	STRING	'Controlword'	Name	STRING	'Controlword'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze control word			Lenze control word		
Name	STRING	'Lenze control word'	Name	STRING	'Lenze control word'



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DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Modes of operation				
Name	STRING	'Modes of operation'	Name	
DataType	STRING	'SINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
vl target velocity				
Name	STRING	'vl target velocity'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Touch probe function				
Name	STRING	'Touch probe function'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Positive torque limit value				
Name	STRING	'Positive torque limit value'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Negative torque limit value				
Name	STRING	'Negative torque limit value'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Speed limitation: Upper speed limit				
Name	STRING	'Speed limitation: Upper speed limit'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Speed limitation: Lower speed limit				
Name	STRING	'Speed limitation: Lower speed limit'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Controlword				
Name	STRING	'Controlword'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Lenze control word				
Name	STRING	'Lenze control word'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Modes of operation				
Name	STRING	'Modes of operation'	Name	

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DataType	STRING	'SINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Torque offset				
Name	STRING	'Torque offset'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Target position				
Name	STRING	'Target position'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Velocity offset				
Name	STRING	'Velocity offset'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Speed controller: I component load value				
Name	STRING	'Speed controller: I component load value'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Controlword				
Name	STRING	'Controlword'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Lenze control word				
Name	STRING	'Lenze control word'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Modes of operation				
Name	STRING	'Modes of operation'	Name	
DataType	STRING	'SINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Torque offset				
Name	STRING	'Torque offset'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Target torque				
Name	STRING	'Target torque'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Speed limitation: Upper speed limit				
Name	STRING	'Speed limitation: Upper speed limit'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	

## Speed limitation:

## Lower speed limit

Name	STRING	'Speed limitation: Lower speed limit'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Controlword			Name	
Name	STRING	'Controlword'	DataType	
DataType	STRING	'UINT'	Default	
Default	STRING	"	Comment	
Comment	STRING	"	Name	
Lenze control word			DataType	
Name	STRING	'Lenze control word'	Default	
DataType	STRING	'UINT'	Comment	
Default	STRING	"	Name	
Comment	STRING	"	DataType	
Modes of operation			Default	
Name	STRING	'Modes of operation'	Comment	
DataType	STRING	'SINT'	Name	
Default	STRING	"	DataType	
Comment	STRING	"	Default	
Torque offset			Comment	
Name	STRING	'Torque offset'	Name	
DataType	STRING	'INT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Target velocity			Name	
Name	STRING	'Target velocity'	DataType	
DataType	STRING	'DINT'	Default	
Default	STRING	"	Comment	
Comment	STRING	"	Name	
Controlword			DataType	
Name	STRING	'Controlword'	Default	
DataType	STRING	'UINT'	Comment	
Default	STRING	"	Name	
Comment	STRING	"	DataType	
Lenze control word			Default	
Name	STRING	'Lenze control word'	Comment	
DataType	STRING	'UINT'	Name	
Default	STRING	"	DataType	
Comment	STRING	"	Default	
Modes of operation			Comment	
Name	STRING	'Modes of operation'	Name	
DataType	STRING	'SINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
vl target velocity			Name	
Name	STRING	'vl target velocity'	DataType	
DataType	STRING	'INT'	Default	
Default	STRING	"	Comment	
Comment	STRING	"	Name	
Touch probe function			DataType	
Name	STRING	'Touch probe function'	Default	
DataType	STRING	'UINT'	Comment	
Default	STRING	"	Name	
Comment	STRING	"	DataType	

## Positive torque limit value

Name	STRING	'Positive torque limit value'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Negative torque limit value			Name	
Name	STRING	'Negative torque limit value'	DataType	
DataType	STRING	'UINT'	Default	
Default	STRING	"	Comment	
Comment	STRING	"	Name	
Speed limitation: Upper speed limit			DataType	
Name	STRING	'Speed limitation: Upper speed limit'	Default	
DataType	STRING	'DINT'	Comment	
Default	STRING	"	Name	
Comment	STRING	"	DataType	
Speed limitation: Lower speed limit			Default	
Name	STRING	'Speed limitation: Lower speed limit'	Comment	
DataType	STRING	'DINT'	Name	
Default	STRING	"	DataType	
Comment	STRING	"	Default	
Statusword			Comment	
Name	STRING	'Statusword'	Name	
DataType	STRING	'UINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Lenze status word			Name	
Name	STRING	'Lenze status word'	DataType	
DataType	STRING	'UINT'	Default	
Default	STRING	"	Comment	
Comment	STRING	"	Name	
Modes of operation display			DataType	
Name	STRING	'Modes of operation display'	Default	
DataType	STRING	'SINT'	Comment	
Default	STRING	"	Name	
Comment	STRING	"	DataType	
Error code			Default	
Name	STRING	'Error code'	Comment	
DataType	STRING	'UINT'	Name	
Default	STRING	"	DataType	
Comment	STRING	"	Default	
Velocity actual value			Comment	
Name	STRING	'Velocity actual value'	Name	
DataType	STRING	'DINT'	DataType	
Default	STRING	"	Default	
Comment	STRING	"	Comment	
Torque actual value			Name	
Name	STRING	'Torque actual value'	DataType	
DataType	STRING	'INT'	Default	
Default	STRING	"	Comment	

1.3.2 Device: L\_i700\_1

Comment	STRING	"	Comment
Position actual value			
Name	STRING	'Position actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Following error actual value			
Name	STRING	'Following error actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name

1.3.2 Device: L\_i700\_1

DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Position actual value			
Name	STRING	'Position actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
vi velocity actual value			
Name	STRING	'vi velocity actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe status			
Name	STRING	'Touch probe status'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe pos1 pos value			

1.3.2 Device: L\_i700\_1

Name	STRING	'Touch probe pos1 pos value'	Name	STRING	'Touch probe pos1 neg value'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Touch probe pos1 neg value			Touch probe pos2 pos value		
Name	STRING	'Touch probe pos1 neg value'	Name	STRING	'Touch probe pos2 pos value'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Touch probe pos2 pos value			Touch probe pos2 neg value		
Name	STRING	'Touch probe pos2 pos value'	Name	STRING	'Touch probe pos2 neg value'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Touch probe pos2 neg value			Lenze statusword 2		
Name	STRING	'Touch probe pos2 neg value'	Name	STRING	'Lenze statusword 2'
DataType	STRING	'DINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze statusword 2			Digital inputs		
Name	STRING	'Lenze statusword 2'	Name	STRING	'Digital inputs'
DataType	STRING	'UINT'	DataType	STRING	'UDINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Digital inputs			Statusword		
Name	STRING	'Digital inputs'	Name	STRING	'Statusword'
DataType	STRING	'UDINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Statusword			Lenze status word		
Name	STRING	'Statusword'	Name	STRING	'Lenze status word'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze status word			Modes of operation display		
Name	STRING	'Lenze status word'	Name	STRING	'Modes of operation display'
DataType	STRING	'UINT'	DataType	STRING	'SINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Modes of operation display			Error code		
Name	STRING	'Modes of operation display'	Name	STRING	'Error code'
DataType	STRING	'SINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Error code			Velocity actual value		
Name	STRING	'Error code'	Name	STRING	'Velocity actual value'
DataType	STRING	'UINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Velocity actual value			Torque actual value		
Name	STRING	'Velocity actual value'	Name	STRING	'Torque actual value'
DataType	STRING	'DINT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"

1.3.2 Device: L\_i700\_1

Name	STRING	'Velocity actual value'	Name	STRING	'Torque actual value'
DataType	STRING	'DINT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Torque actual value			Position actual value		
Name	STRING	'Torque actual value'	Name	STRING	'Position actual value'
DataType	STRING	'INT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Position actual value			Following error actual value		
Name	STRING	'Position actual value'	Name	STRING	'Following error actual value'
DataType	STRING	'DINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Following error actual value			Statusword		
Name	STRING	'Following error actual value'	Name	STRING	'Statusword'
DataType	STRING	'DINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Statusword			Lenze status word		
Name	STRING	'Statusword'	Name	STRING	'Lenze status word'
DataType	STRING	'UINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Lenze status word			Modes of operation display		
Name	STRING	'Lenze status word'	Name	STRING	'Modes of operation display'
DataType	STRING	'UINT'	DataType	STRING	'SINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Modes of operation display			Error code		
Name	STRING	'Modes of operation display'	Name	STRING	'Error code'
DataType	STRING	'SINT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Error code			Velocity actual value		
Name	STRING	'Error code'	Name	STRING	'Velocity actual value'
DataType	STRING	'UINT'	DataType	STRING	'DINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Velocity actual value			Torque actual value		
Name	STRING	'Velocity actual value'	Name	STRING	'Torque actual value'
DataType	STRING	'DINT'	DataType	STRING	'INT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"
Torque actual value			Statusword		
Name	STRING	'Torque actual value'	Name	STRING	'Statusword'
DataType	STRING	'INT'	DataType	STRING	'UINT'
Default	STRING	"	Default	STRING	"
Comment	STRING	"	Comment	STRING	"

1.3.2 Device: L\_i700\_1

Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Velocity actual value			
Name	STRING	'Velocity actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Torque actual value			
Name	STRING	'Torque actual value'	Name
DataType	STRING	'INT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Position actual value			
Name	STRING	'Position actual value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Statusword			
Name	STRING	'Statusword'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze status word			
Name	STRING	'Lenze status word'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Modes of operation display			
Name	STRING	'Modes of operation display'	Name
DataType	STRING	'SINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Error code			
Name	STRING	'Error code'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
vi velocity actual value			
Name	STRING	'vi velocity actual value'	Name
DataType	STRING	'INT'	DataType

1.3.2 Device: L\_i700\_1

Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe status			
Name	STRING	'Touch probe status'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe pos1 pos value			
Name	STRING	'Touch probe pos1 pos value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe pos1 neg value			
Name	STRING	'Touch probe pos1 neg value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe pos2 pos value			
Name	STRING	'Touch probe pos2 pos value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Touch probe pos2 neg value			
Name	STRING	'Touch probe pos2 neg value'	Name
DataType	STRING	'DINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Lenze statusword 2			
Name	STRING	'Lenze statusword 2'	Name
DataType	STRING	'UINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment
Digital inputs			
Name	STRING	'Digital inputs'	Name
DataType	STRING	'UDINT'	DataType
Default	STRING	"	Default
Comment	STRING	"	Comment

**EtherCAT I/O Mapping**

**IEC objects:**  
Variable: Type:  
L\_i700\_1 L\_ETCSlave\_i700

**Information**

Name: i700 (Double Inverter, Safety STO) FW V01.09  
 Vendor: Lenze  
 Categories: Slave  
 Type: 65  
 ID: 3B\_6907000200010009  
 Version: 1.9.5.0  
 Description: EtherCAT Slave imported from Slave XML: lenze\_i700\_V01090500.xml Device: i700 (Double Inverter, Safety STO) FW V01.09



**1.3.2.1 : SM\_Drive\_ETC\_i700\_2**

**SoftMotion Parameters**

Parameters:	Name:	Type:	Value:	Default Value:	Unit:	Description:
	wDriveL D	WORD	6	1		ID of drive
	bVirtual	BOOL	FALSE	FALSE		drive is simulated
	dwRatioTechUnitsDenom	DWORD	65536	65536		conversion inc./tech.units denominator
	iRatioTechUnitsNum	INT	1	1		conversion inc./tech.units numerator
	iMovementType	INT	0	0		movement type: 0: rotary/modulo, 1: linear
	fPositionPeriod	LREAL	360.0	360.0		modulo value for rotary drives
	eRampType	INT	0	0		selects the velocity ramp type used by the FBs
	fSWMaxVelocity	LREAL	1000.0	1000.0		maximum velocity value used for limit check at SMC_ControlAxisByPos
	fSWMaxAcceleration	LREAL	10000.0	10000.0		maximum acceleration value used for limit check at SMC_ControlAxisByPos
	fSWMaxDeceleration	LREAL	10000.0	10000.0		maximum deceleration value used for limit check at SMC_ControlAxisByPos
	fRampJerk	LREAL	1e7	1e7		jerk used for bringing acceleration to 0 when sin <sup>2</sup> ramp is interrupted
	fSWLimitPositive	LREAL	1000.0	1000.0		software limit position in positive direction
	fSWLimitNegative	LREAL	0.0	0.0		software limit position in negative direction
	fSWLimitNegative	BOOL	FALSE	FALSE		software limit position in negative direction
	eCheckPositionLag	INT	0	0		position lag mode
	fMaxPositionLag	LREAL	1.0	1.0		maximum position lag
	ScalingIncs	DINT	65536	65536		
	ScalingMotorTurns1	DINT	1	1		
	ScalingMotorTurns2	DINT	1	1		
	ScalingGearOutput1	DINT	1	1		
	ScalingGearOutput2	DINT	1	1		
	ScalingUnits	DINT	1	1		

InvertDirection	BOOL	FALSE	FALSE
NumberOfOutputMappingParameters	INT	14	14
ControlWord (out.wControlWord)	INT	10064	10064
Object_8010	STRING	16#6040:16#00	16#6040:16#00
AddressOffset_8010	UDINT	64	
BitOffset_8010	USINT	0	
BitLength_8010	USINT	16	
Address_8010	STRING	'%QW32'	
Type_8010	STRING	'UINT'	
AddressPointer_8010	POINTER TO BYTE	ADR(%QW32)	
set position (diSetPosition)	INT	1108	1108
Object_8020	STRING	16#607A:16#00	16#607A:16#00
AddressOffset_8020	UDINT	72	
BitOffset_8020	USINT	0	
BitLength_8020	USINT	32	
Address_8020	STRING	'%QD18'	
Type_8020	STRING	'DINT'	
AddressPointer_8020	POINTER TO BYTE	ADR(%QD18)	
controller mode (byControllerMode)	INT	10096	10096
Object_8030	STRING	16#6060:16#00	16#6060:16#00
AddressOffset_8030	UDINT	68	
BitOffset_8030	USINT	0	
BitLength_8030	USINT	8	
Address_8030	STRING	'%QB68'	
Type_8030	STRING	'SINT'	
AddressPointer_8030	POINTER TO BYTE	ADR(%QB68)	
set velocity (diSetVelocity)	INT	1118	1118
Object_8040	STRING	16#60B1:16#00	16#60B1:16#00
AddressOffset_8040	UDINT	76	
BitOffset_8040	USINT	0	
BitLength_8040	USINT	32	
Address_8040	STRING	'%QD19'	
Type_8040	STRING	'DINT'	
AddressPointer_8040	POINTER TO BYTE	ADR(%QD19)	
torque offset (iTorqueOffset)	INT	1168	1168
Object_8050	STRING	16#60B2:16#00	16#60B2:16#00
AddressOffset_8050	UDINT	70	
BitOffset_8050	USINT	0	
BitLength_8050	USINT	16	
Address_8050	STRING	'%QW35'	
Type_8050	STRING	'INT'	
AddressPointer_8050	POINTER TO BYTE	ADR(%QW35)	
TP ControlWord	INT	19000	19000
Object_8060	STRING	16#60B8:16#00	16#60B8:16#00
AddressOffset_8060	UDINT	82	
BitOffset_8060	USINT	0	
BitLength_8060	USINT	16	
Address_8060	STRING	'%QW41'	
Type_8060	STRING	'UINT'	
AddressPointer_8060	POINTER TO BYTE	ADR(%QW41)	
PositiveTorqueLimit	INT	19010	19010
Object_8070	STRING	16#60E0:16#00	16#60E0:16#00
AddressOffset_8070	UDINT	84	
BitOffset_8070	USINT	0	

BitLength_8070	USINT	16	
Address_8070	STRING	"%QW42"	
Type_8070	STRING	'UINT'	
AddressPointer_8070	POINTER TO BYTE	ADR(%QW42)	
NegativeTorqueLimit	INT	19011	19011
Object_8080	STRING	16#60E1:16#00	16#60E1:16#00
AddressOffset_8080	UDINT	86	
BitOffset_8080	USINT	0	
BitLength_8080	USINT	16	
Address_8080	STRING	"%QW43"	
Type_8080	STRING	'UINT'	
AddressPointer_8080	POINTER TO BYTE	ADR(%QW43)	
set target velocity (diSetTargetVelocity)	INT	19100	19100
Object_8090	STRING	16#60FF:16#00	16#60FF:16#00
AddressOffset_8090	UDINT	4294967295	
BitOffset_8090	USINT	0	
BitLength_8090	USINT	0	
Address_8090	STRING	"	
Type_8090	STRING	"	
AddressPointer_8090	POINTER TO BYTE	0	
Lenze Controlword	INT	19110	19110
Object_8100	STRING	16#2830:16#00	16#2830:16#00
AddressOffset_8100	UDINT	66	
BitOffset_8100	USINT	0	
BitLength_8100	USINT	16	
Address_8100	STRING	"%QW33"	
Type_8100	STRING	'UINT'	
AddressPointer_8100	POINTER TO BYTE	ADR(%QW33)	
set torque (diSetTorque)	INT	19120	19120
Object_8110	STRING	16#6071:16#00	16#6071:16#00
AddressOffset_8110	UDINT	4294967295	
BitOffset_8110	USINT	0	
BitLength_8110	USINT	0	
Address_8110	STRING	"	
Type_8110	STRING	"	
AddressPointer_8110	POINTER TO BYTE	0	
Speed contr: Load value (iSpeedContrlLoadVal)	INT	19130	19130
Object_8120	STRING	16#2902:16#00	16#2902:16#00
AddressOffset_8120	UDINT	80	
BitOffset_8120	USINT	0	
BitLength_8120	USINT	16	
Address_8120	STRING	"%QW40"	
Type_8120	STRING	'INT'	
AddressPointer_8120	POINTER TO BYTE	ADR(%QW40)	
T-mode: Upper speed limit (diTModeUpperSpeedLimit)	DINT	19140	19140
Object_8130	STRING	16#2946:16#01	16#2946:16#01
AddressOffset_8130	UDINT	88	
BitOffset_8130	USINT	0	
BitLength_8130	USINT	32	
Address_8130	STRING	"%QD22"	
Type_8130	STRING	'DINT'	
AddressPointer_8130	POINTER TO BYTE	ADR(%QD22)	
T-mode: Lower speed limit (diTModeLowerSpeedLimit)	DINT	19150	19150

Object_8140	STRING	16#2946:16#02	16#2946:16#02
AddressOffset_8140	UDINT	92	
BitOffset_8140	USINT	0	
BitLength_8140	USINT	32	
Address_8140	STRING	"%QD23"	
Type_8140	STRING	'DINT'	
AddressPointer_8140	POINTER TO BYTE	ADR(%QD23)	
NumberOfInputMappingPa rams	INT	15	15
status word (in.wStatusWord)	INT	20065	20065
Object_8510	STRING	16#6041:16#00	16#6041:16#00
AddressOffset_8510	UDINT	104	
BitOffset_8510	USINT	0	
BitLength_8510	USINT	16	
Address_8510	STRING	"%IW52"	
Type_8510	STRING	'UINT'	
AddressPointer_8510	POINTER TO BYTE	ADR(%IW52)	
actual position (diActPosition)	INT	1109	1109
Object_8520	STRING	16#6064:16#00	16#6064:16#00
AddressOffset_8520	UDINT	120	
BitOffset_8520	USINT	0	
BitLength_8520	USINT	32	
Address_8520	STRING	"%ID30"	
Type_8520	STRING	'DINT'	
AddressPointer_8520	POINTER TO BYTE	ADR(%ID30)	
actual controller mode (byRealControllerMode)	INT	20097	20097
Object_8530	STRING	16#6061:16#00	16#6061:16#00
AddressOffset_8530	UDINT	108	
BitOffset_8530	USINT	0	
BitLength_8530	USINT	8	
Address_8530	STRING	"%IB108"	
Type_8530	STRING	'SINT'	
AddressPointer_8530	POINTER TO BYTE	ADR(%IB108)	
actual velocity (diActVelocity)	INT	1119	1119
Object_8540	STRING	16#606C:16#00	16#606C:16#00
AddressOffset_8540	UDINT	112	
BitOffset_8540	USINT	0	
BitLength_8540	USINT	32	
Address_8540	STRING	"%ID28"	
Type_8540	STRING	'DINT'	
AddressPointer_8540	POINTER TO BYTE	ADR(%ID28)	
actual torque (diActVelocity)	INT	1169	1169
Object_8550	STRING	16#6077:16#00	16#6077:16#00
AddressOffset_8550	UDINT	116	
BitOffset_8550	USINT	0	
BitLength_8550	USINT	16	
Address_8550	STRING	"%IW58"	
Type_8550	STRING	'INT'	
AddressPointer_8550	POINTER TO BYTE	ADR(%IW58)	
TP StatusWord	INT	29000	29000
Object_8560	STRING	16#60B9:16#00	16#60B9:16#00
AddressOffset_8560	UDINT	128	
BitOffset_8560	USINT	0	
BitLength_8560	USINT	16	

1.3.2.1 : SM\_Drive\_ETC\_i700\_2

Address_8560	STRING	'%IW64'		
Type_8560	STRING	'UINT'		
AddressPointer_8560	POINTER TO BYTE	ADR(%IW64)		
TP1 PosEdgeValue	INT	29001	29001	
Object_8570	STRING	16#60BA:16#00	16#60BA:16#00	
AddressOffset_8570	UDINT	132		
BitOffset_8570	USINT	0		
BitLength_8570	USINT	32		
Address_8570	STRING	'%ID33'		
Type_8570	STRING	'DINT'		
AddressPointer_8570	POINTER TO BYTE	ADR(%ID33)		
TP1 NegEdgeValue	INT	29002	29002	
Object_8580	STRING	16#60BB:16#00	16#60BB:16#00	
AddressOffset_8580	UDINT	136		
BitOffset_8580	USINT	0		
BitLength_8580	USINT	32		
Address_8580	STRING	'%ID34'		
Type_8580	STRING	'DINT'		
AddressPointer_8580	POINTER TO BYTE	ADR(%ID34)		
TP2 PosEdgeValue	INT	29003	29003	
Object_8590	STRING	16#60BC:16#00	16#60BC:16#00	
AddressOffset_8590	UDINT	140		
BitOffset_8590	USINT	0		
BitLength_8590	USINT	32		
Address_8590	STRING	'%ID35'		
Type_8590	STRING	'DINT'		
AddressPointer_8590	POINTER TO BYTE	ADR(%ID35)		
TP2 NegEdgeValue	INT	29004	29004	
Object_8600	STRING	16#60BD:16#00	16#60BD:16#00	
AddressOffset_8600	UDINT	144		
BitOffset_8600	USINT	0		
BitLength_8600	USINT	32		
Address_8600	STRING	'%ID36'		
Type_8600	STRING	'DINT'		
AddressPointer_8600	POINTER TO BYTE	ADR(%ID36)		
AxisErrorID	INT	1031	1031	
Object_8610	STRING	16#603F:16#00	16#603F:16#00	
AddressOffset_8610	UDINT	110		
BitOffset_8610	USINT	0		
BitLength_8610	USINT	16		
Address_8610	STRING	'%IW55'		
Type_8610	STRING	'UINT'		
AddressPointer_8610	POINTER TO BYTE	ADR(%IW55)		
actual following error	INT	29100	29100	
Object_8620	STRING	16#60F4:16#00	16#60F4:16#00	
AddressOffset_8620	UDINT	124		
BitOffset_8620	USINT	0		
BitLength_8620	USINT	32		
Address_8620	STRING	'%ID31'		
Type_8620	STRING	'DINT'		
AddressPointer_8620	POINTER TO BYTE	ADR(%ID31)		
Lenze Statusword	INT	29110	29110	
Object_8630	STRING	16#2831:16#00	16#2831:16#00	
AddressOffset_8630	UDINT	106		
BitOffset_8630	USINT	0		
BitLength_8630	USINT	16		
Address_8630	STRING	'%IW53'		
Type_8630	STRING	'UINT'		

1.3.2.1 : SM\_Drive\_ETC\_i700\_2

AddressPointer_8630	POINTER TO BYTE	ADR(%IW53)		
Lenze Statusword 2	INT	29120	29120	
Object_8640	STRING	16#2833:16#00	16#2833:16#00	
AddressOffset_8640	UDINT	148		
BitOffset_8640	USINT	0		
BitLength_8640	USINT	16		
Address_8640	STRING	'%IW74'		
Type_8640	STRING	'UINT'		
AddressPointer_8640	POINTER TO BYTE	ADR(%IW74)		
Digital Inputs	INT	29130	29130	
Object_8650	STRING	16#60FD:16#00	16#60FD:16#00	
AddressOffset_8650	UDINT	152		
BitOffset_8650	USINT	0		
BitLength_8650	USINT	32		
Address_8650	STRING	'%ID38'		
Type_8650	STRING	'UDINT'		
AddressPointer_8650	POINTER TO BYTE	ADR(%ID38)		
Automatic Mapping	BOOL	TRUE	TRUE	

SoftMotion I/O Mapping

IEC objects:

Variable: Type:  
SM\_Drive\_ETC\_i700\_2 AXIS\_REF\_ETC\_LENZE\_i700\_Slot\_0

Information

Name: SM\_Drive\_ETC\_LENZE\_i700\_Slot\_A  
Vendor: Lenze  
Categories: EtherCAT drives  
Type: 1027  
ID: 1028 0201  
Version: 1.1.0.0  
Order number: ---  
Description: SoftMotion property of drives supporting EtherCAT CoE Cyclic SYNC modes



1.3.2.2 : SM\_Drive\_ETC\_i700\_3

SoftMotion Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
wDriveI D	WORD	7	1		ID of drive
bVirtual	BOOL	FALSE	FALSE		drive is simulated
dwRatioTechUnitsDenom	DWORD	65536	65536		conversion inc./tech.units denominator
iRatioTechUnitsNum	INT	1	1		conversion inc./tech.units numerator
iMovementType	INT	0	0		movement type: 0: rotary/modulo, 1: linear



1.3.2.2 : SM\_Drive\_ETC\_i700\_3

fPositionPeriod	LREAL	360.0	360.0	modulo value for rotary drives
eRampType	INT	0	0	selects the velocity ramp type used by the FBs
fSWMMaxVelocity	LREAL	1000.0	1000.0	maximum velocity value used for limit check at SMC_ControlAxisByPos
fSWMMaxAcceleration	LREAL	10000.0	10000.0	maximum acceleration value used for limit check at SMC_ControlAxisByPos
fSWMMaxDeceleration	LREAL	10000.0	10000.0	maximum deceleration value used for limit check at SMC_ControlAxisByPos
fRampJerk	LREAL	1e7	1e7	jerk used for bringing acceleration to 0 when sin <sup>2</sup> ramp is interrupted
fSWLimitPositive	LREAL	1000.0	1000.0	software limit position in positive direction
fSWLimitNegative	LREAL	0.0	0.0	software limit position in negative direction
fSWLimitNegative	BOOL	FALSE	FALSE	software limit position in negative direction
eCheckPositionLag	INT	0	0	position lag mode
fMaxPositionLag	LREAL	1.0	1.0	maximum position lag
ScalingIncs	DINT	65536	65536	
ScalingMotorTurns1	DINT	1	1	
ScalingMotorTurns2	DINT	1	1	
ScalingGearOutput1	DINT	1	1	
ScalingGearOutput2	DINT	1	1	
ScalingUnits	DINT	1	1	
InvertDirection	BOOL	FALSE	FALSE	
NumberOfOutputMappingParameters	INT	14	14	
ControlWord (out.wControlWord)	INT	10064	10064	
Object_8010	STRING	16#6840:16#00	16#6840:16#00	
AddressOffset_8010	UDINT	96		
BitOffset_8010	USINT	0		
BitLength_8010	USINT	16		
Address_8010	STRING	'%QW48'		
Type_8010	STRING	'UINT'		
AddressPointer_8010	POINTER TO BYTE	ADR(%QW48)		
set position (diSetPosition)	INT	1108	1108	
Object_8020	STRING	16#687A:16#00	16#687A:16#00	
AddressOffset_8020	UDINT	104		
BitOffset_8020	USINT	0		
BitLength_8020	USINT	32		
Address_8020	STRING	'%QD26'		
Type_8020	STRING	'DINT'		
AddressPointer_8020	POINTER TO BYTE	ADR(%QD26)		
controller mode (byControllerMode)	INT	10096	10096	
Object_8030	STRING	16#6860:16#00	16#6860:16#00	
AddressOffset_8030	UDINT	100		
BitOffset_8030	USINT	0		
BitLength_8030	USINT	8		
Address_8030	STRING	'%QB100'		
Type_8030	STRING	'SINT'		
AddressPointer_8030	POINTER TO BYTE	ADR(%QB100)		

1.3.2.2 : SM\_Drive\_ETC\_i700\_3

set velocity (diSetVelocity)	INT	1118	1118	
Object_8040	STRING	16#68B1:16#00	16#68B1:16#00	
AddressOffset_8040	UDINT	108		
BitOffset_8040	USINT	0		
BitLength_8040	USINT	32		
Address_8040	STRING	'%QD27'		
Type_8040	STRING	'DINT'		
AddressPointer_8040	POINTER TO BYTE	ADR(%QD27)		
torque offset (iTorqueOffset)	INT	1168	1168	
Object_8050	STRING	16#68B2:16#00	16#68B2:16#00	
AddressOffset_8050	UDINT	102		
BitOffset_8050	USINT	0		
BitLength_8050	USINT	16		
Address_8050	STRING	'%QW51'		
Type_8050	STRING	'INT'		
AddressPointer_8050	POINTER TO BYTE	ADR(%QW51)		
TP ControlWord	INT	19000	19000	
Object_8060	STRING	16#68B8:16#00	16#68B8:16#00	
AddressOffset_8060	UDINT	114		
BitOffset_8060	USINT	0		
BitLength_8060	USINT	16		
Address_8060	STRING	'%QW57'		
Type_8060	STRING	'UINT'		
AddressPointer_8060	POINTER TO BYTE	ADR(%QW57)		
PositiveTorqueLimit	INT	19010	19010	
Object_8070	STRING	16#68E0:16#00	16#68E0:16#00	
AddressOffset_8070	UDINT	116		
BitOffset_8070	USINT	0		
BitLength_8070	USINT	16		
Address_8070	STRING	'%QW58'		
Type_8070	STRING	'UINT'		
AddressPointer_8070	POINTER TO BYTE	ADR(%QW58)		
NegativeTorqueLimit	INT	19011	19011	
Object_8080	STRING	16#68E1:16#00	16#68E1:16#00	
AddressOffset_8080	UDINT	118		
BitOffset_8080	USINT	0		
BitLength_8080	USINT	16		
Address_8080	STRING	'%QW59'		
Type_8080	STRING	'UINT'		
AddressPointer_8080	POINTER TO BYTE	ADR(%QW59)		
set target velocity (diSetTargetVelocity)	INT	19100	19100	
Object_8090	STRING	16#68FF:16#00	16#68FF:16#00	
AddressOffset_8090	UDINT	4294967295		
BitOffset_8090	USINT	0		
BitLength_8090	USINT	0		
Address_8090	STRING	'		
Type_8090	STRING	'		
AddressPointer_8090	POINTER TO BYTE	0		
Lenze Controlword	INT	19110	19110	
Object_8100	STRING	16#3030:16#00	16#3030:16#00	
AddressOffset_8100	UDINT	98		
BitOffset_8100	USINT	0		
BitLength_8100	USINT	16		
Address_8100	STRING	'%QW49'		
Type_8100	STRING	'UINT'		
AddressPointer_8100	POINTER TO BYTE	ADR(%QW49)		

set torque (diSetTorque)	INT	19120	19120
Object_8110	STRING	16#6871:16#00	16#6871:16#00
AddressOffset_8110	UDINT	4294967295	
BitOffset_8110	USINT	0	
BitLength_8110	USINT	0	
Address_8110	STRING	"	
Type_8110	STRING	"	
AddressPointer_8110	POINTER TO BYTE	0	
Speed contr: Load value (iSpeedContrLoadVal)	INT	19130	19130
Object_8120	STRING	16#3102:16#00	16#3102:16#00
AddressOffset_8120	UDINT	112	
BitOffset_8120	USINT	0	
BitLength_8120	USINT	16	
Address_8120	STRING	"%QW56"	
Type_8120	STRING	'INT'	
AddressPointer_8120	POINTER TO BYTE	ADR(%QW56)	
T-mode: Upper speed limit (diTModeUpperSpeedLimit)	DINT	19140	19140
Object_8130	STRING	16#3146:16#01	16#3146:16#01
AddressOffset_8130	UDINT	120	
BitOffset_8130	USINT	0	
BitLength_8130	USINT	32	
Address_8130	STRING	"%QD30"	
Type_8130	STRING	'DINT'	
AddressPointer_8130	POINTER TO BYTE	ADR(%QD30)	
T-mode: Lower speed limit (diTModeLowerSpeedLimit)	DINT	19150	19150
Object_8140	STRING	16#3146:16#02	16#3146:16#02
AddressOffset_8140	UDINT	124	
BitOffset_8140	USINT	0	
BitLength_8140	USINT	32	
Address_8140	STRING	"%QD31"	
Type_8140	STRING	'DINT'	
AddressPointer_8140	POINTER TO BYTE	ADR(%QD31)	
NumberOfInputMappingParameters	INT	15	15
status word (in.wStatusWord)	INT	20065	20065
Object_8510	STRING	16#6841:16#00	16#6841:16#00
AddressOffset_8510	UDINT	156	
BitOffset_8510	USINT	0	
BitLength_8510	USINT	16	
Address_8510	STRING	"%IW78"	
Type_8510	STRING	'UINT'	
AddressPointer_8510	POINTER TO BYTE	ADR(%IW78)	
actual position (diActPosition)	INT	1109	1109
Object_8520	STRING	16#6864:16#00	16#6864:16#00
AddressOffset_8520	UDINT	172	
BitOffset_8520	USINT	0	
BitLength_8520	USINT	32	
Address_8520	STRING	"%ID43"	
Type_8520	STRING	'DINT'	
AddressPointer_8520	POINTER TO BYTE	ADR(%ID43)	
actual controller mode (byRealControllerMode)	INT	20097	20097

Object_8530	STRING	16#6861:16#00	16#6861:16#00
AddressOffset_8530	UDINT	160	
BitOffset_8530	USINT	0	
BitLength_8530	USINT	8	
Address_8530	STRING	"%IB160"	
Type_8530	STRING	'SINT'	
AddressPointer_8530	POINTER TO BYTE	ADR(%IB160)	
actual velocity (diActVelocity)	INT	1119	1119
Object_8540	STRING	16#686C:16#00	16#686C:16#00
AddressOffset_8540	UDINT	164	
BitOffset_8540	USINT	0	
BitLength_8540	USINT	32	
Address_8540	STRING	"%ID41"	
Type_8540	STRING	'DINT'	
AddressPointer_8540	POINTER TO BYTE	ADR(%ID41)	
actual torque (diActVelocity)	INT	1169	1169
Object_8550	STRING	16#6877:16#00	16#6877:16#00
AddressOffset_8550	UDINT	168	
BitOffset_8550	USINT	0	
BitLength_8550	USINT	16	
Address_8550	STRING	"%IW84"	
Type_8550	STRING	'INT'	
AddressPointer_8550	POINTER TO BYTE	ADR(%IW84)	
TP StatusWord	INT	29000	29000
Object_8560	STRING	16#68B9:16#00	16#68B9:16#00
AddressOffset_8560	UDINT	180	
BitOffset_8560	USINT	0	
BitLength_8560	USINT	16	
Address_8560	STRING	"%IW90"	
Type_8560	STRING	'UINT'	
AddressPointer_8560	POINTER TO BYTE	ADR(%IW90)	
TP1 PosEdgeValue	INT	29001	29001
Object_8570	STRING	16#68BA:16#00	16#68BA:16#00
AddressOffset_8570	UDINT	184	
BitOffset_8570	USINT	0	
BitLength_8570	USINT	32	
Address_8570	STRING	"%ID46"	
Type_8570	STRING	'DINT'	
AddressPointer_8570	POINTER TO BYTE	ADR(%ID46)	
TP1 NegEdgeValue	INT	29002	29002
Object_8580	STRING	16#68BB:16#00	16#68BB:16#00
AddressOffset_8580	UDINT	188	
BitOffset_8580	USINT	0	
BitLength_8580	USINT	32	
Address_8580	STRING	"%ID47"	
Type_8580	STRING	'DINT'	
AddressPointer_8580	POINTER TO BYTE	ADR(%ID47)	
TP2 PosEdgeValue	INT	29003	29003
Object_8590	STRING	16#68BC:16#00	16#68BC:16#00
AddressOffset_8590	UDINT	192	
BitOffset_8590	USINT	0	
BitLength_8590	USINT	32	
Address_8590	STRING	"%ID48"	
Type_8590	STRING	'DINT'	
AddressPointer_8590	POINTER TO BYTE	ADR(%ID48)	
TP2 NegEdgeValue	INT	29004	29004

Object_8600	STRING	16#68BD:16#00	16#68BD:16#00
AddressOffset_8600	UDINT	196	
BitOffset_8600	USINT	0	
BitLength_8600	USINT	32	
Address_8600	STRING	'%ID49'	
Type_8600	STRING	'DINT'	
AddressPointer_8600	POINTER TO BYTE	ADR(%ID49)	
AxisErrorID	INT	1031	1031
Object_8610	STRING	16#683F:16#00	16#683F:16#00
AddressOffset_8610	UDINT	162	
BitOffset_8610	USINT	0	
BitLength_8610	USINT	16	
Address_8610	STRING	'%IW81'	
Type_8610	STRING	'UINT'	
AddressPointer_8610	POINTER TO BYTE	ADR(%IW81)	
actual following error	INT	29100	29100
Object_8620	STRING	16#68F4:16#00	16#68F4:16#00
AddressOffset_8620	UDINT	176	
BitOffset_8620	USINT	0	
BitLength_8620	USINT	32	
Address_8620	STRING	'%ID44'	
Type_8620	STRING	'DINT'	
AddressPointer_8620	POINTER TO BYTE	ADR(%ID44)	
Lenze Statusword	INT	29110	29110
Object_8630	STRING	16#3031:16#00	16#3031:16#00
AddressOffset_8630	UDINT	158	
BitOffset_8630	USINT	0	
BitLength_8630	USINT	16	
Address_8630	STRING	'%IW79'	
Type_8630	STRING	'UINT'	
AddressPointer_8630	POINTER TO BYTE	ADR(%IW79)	
Lenze Statusword 2	INT	29120	29120
Object_8640	STRING	16#3033:16#00	16#3033:16#00
AddressOffset_8640	UDINT	200	
BitOffset_8640	USINT	0	
BitLength_8640	USINT	16	
Address_8640	STRING	'%IW100'	
Type_8640	STRING	'UINT'	
AddressPointer_8640	POINTER TO BYTE	ADR(%IW100)	
Digital Inputs	INT	29130	29130
Object_8650	STRING	16#68FD:16#00	16#68FD:16#00
AddressOffset_8650	UDINT	204	
BitOffset_8650	USINT	0	
BitLength_8650	USINT	32	
Address_8650	STRING	'%ID51'	
Type_8650	STRING	'UDINT'	
AddressPointer_8650	POINTER TO BYTE	ADR(%ID51)	
Automatic Mapping	BOOL	TRUE	TRUE

**SoftMotion I/O Mapping****IEC objects:**

Variable: SM\_Drive\_ETC\_i700\_3  
Type: AXIS\_REF\_ETC\_LENZE\_i700\_Slot\_1

**Information**

Name: SM\_Drive\_ETC\_LENZE\_i700\_Slot\_B  
Vendor: Lenze  
Categories: EtherCAT drives  
Type: 1027  
ID: 1028 0202  
Version: 1.1.0.0  
Order number: ---  
Description: SoftMotion property of drives supporting EtherCAT CoE Cyclic SYNC modes

**1.3.3 Device: EPM\_S130****EtherCAT I/O Mapping****Input Parameters:**

Mapping:	Channel:	Type:	Address:	Unit:	Description:
Application.g_abDI[0]	EPM_S202_DI8_DC_24V DI 0	BIT			EPM_S202_DI8_DC_24V DI 0
Application.g_abDI[1]	EPM_S202_DI8_DC_24V DI 1	BIT			EPM_S202_DI8_DC_24V DI 1
Application.g_abDI[2]	EPM_S202_DI8_DC_24V DI 2	BIT			EPM_S202_DI8_DC_24V DI 2
Application.g_abDI[3]	EPM_S202_DI8_DC_24V DI 3	BIT			EPM_S202_DI8_DC_24V DI 3
Application.g_abDI[4]	EPM_S202_DI8_DC_24V DI 4	BIT			EPM_S202_DI8_DC_24V DI 4
Application.g_abDI[5]	EPM_S202_DI8_DC_24V DI 5	BIT			EPM_S202_DI8_DC_24V DI 5
Application.g_abDI[6]	EPM_S202_DI8_DC_24V DI 6	BIT			EPM_S202_DI8_DC_24V DI 6
Application.g_abDI[7]	EPM_S202_DI8_DC_24V DI 7	BIT			EPM_S202_DI8_DC_24V DI 7

**Output Parameters:**

Mapping:	Channel:	Type:	Address:	Unit:	Description:
Application.g_abDO[0]	EPM_S302_DO8_DC_24V_0_5A DO 0	BIT			EPM_S302_DO8_DC_24V_0_5A DO 0
Application.g_abDO[1]	EPM_S302_DO8_DC_24V_0_5A DO 1	BIT			EPM_S302_DO8_DC_24V_0_5A DO 1
Application.g_abDO[2]	EPM_S302_DO8_DC_24V_0_5A DO 2	BIT			EPM_S302_DO8_DC_24V_0_5A DO 2
Application.g_abDO[3]	EPM_S302_DO8_DC_24V_0_5A DO 3	BIT			EPM_S302_DO8_DC_24V_0_5A DO 3
Application.g_abDO[4]	EPM_S302_DO8_DC_24V_0_5A DO 4	BIT			EPM_S302_DO8_DC_24V_0_5A DO 4
Application.g_abDO[5]	EPM_S302_DO8_DC_24V_0_5A DO 5	BIT			EPM_S302_DO8_DC_24V_0_5A DO 5
Application.g_abDO[6]	EPM_S302_DO8_DC_24V_0_5A DO 6	BIT			EPM_S302_DO8_DC_24V_0_5A DO 6
Application.g_abDO[7]	EPM_S302_DO8_DC_24V_0_5A DO 7	BIT			EPM_S302_DO8_DC_24V_0_5A DO 7

**IEC objects:**

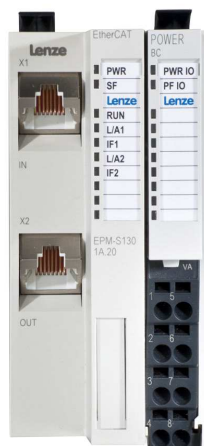
Variable: EPM\_S130  
Type: L\_ETCSlave

**Information**

Name: EPM-S130 (1.0.0.20)  
Vendor: Lenze  
Categories: Slave

### 1.3.3 Device: EPM\_S130

Type: 65  
 ID: 3B\_000005140000011  
 Version: 1.0.0.20  
 Description: EPM-S130 EtherCAT fieldbus coupler for I/O System 1000. A controller version >= V3.3 is required.



### 1.3.3.1 Device: EPM\_S202\_DI8\_DC\_24V

#### Module Parameters

##### Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
Module ident	DWORD	16#00059FC1	16#00059FC1		
Module class	STRING	'sm_dig_in'	'sm_dig_in'		
Module pdo group	DINT	2	2		
Number of RxPDOs of the Slave	DWORD	0	0		Number of RxPDOs of the Slave
Number of TxPDOs of the Slave	DWORD	1	1		Number of TxPDOs of the Slave
RxTxPdo					
NumberofExcludes	INT	0	0		
NumberofEntries	INT	8	8		
Index	UINT	16#1A00	16#1A00		
Fixed	BOOL	True	True		
Mandatory	BOOL	True	True		
Virtual	BOOL	FALSE	FALSE		
Sm	INT	3	3		
Su	INT	0	0		
Name	STRING	'Inputs'	'Inputs'		

### 1.3.3.1 Device: EPM\_S202\_DI8\_DC\_24V

DI 0	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	1	1	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 1	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	2	2	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 2	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	3	3	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 3	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	4	4	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 4	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	5	5	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 5	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	6	6	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 6	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	7	7	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 7	Index	UINT	16#6000	16#6000	Index
	SubIndex	UINT	8	8	SubIndex
	Size	UINT	1	1	Size
	Offset	UINT			Offset
DI 0	Name	STRING	'DI 0'	'DI 0'	Name
	Data Type	STRING	'BOOL'	'BOOL'	Data Type
	Default	STRING			Default
	Comment	STRING	"	"	Comment
DI 1	Name	STRING	'DI 1'	'DI 1'	Name
	Data Type	STRING	'BOOL'	'BOOL'	Data Type
	Default	STRING			Default
	Comment	STRING	"	"	Comment
DI 2	Name	STRING	'DI 2'	'DI 2'	Name
	Data Type	STRING	'BOOL'	'BOOL'	Data Type
	Default	STRING			Default
	Comment	STRING	"	"	Comment
DI 3	Name	STRING	'DI 3'	'DI 3'	Name
	Data Type	STRING	'BOOL'	'BOOL'	Data Type

1.3.3.1 Device: EPM\_S202\_DI8\_DC\_24V

Default Comment	STRING	"	"	Default Comment
DI 4	STRING	'DI 4'	'DI 4'	Name
Name	STRING	'BOOL'	'BOOL'	Data Type
Default Comment	STRING	"	"	Default Comment
DI 5	STRING	'DI 5'	'DI 5'	Name
Name	STRING	'BOOL'	'BOOL'	Data Type
Default Comment	STRING	"	"	Default Comment
DI 6	STRING	'DI 6'	'DI 6'	Name
Name	STRING	'BOOL'	'BOOL'	Data Type
Default Comment	STRING	"	"	Default Comment
DI 7	STRING	'DI 7'	'DI 7'	Name
Name	STRING	'BOOL'	'BOOL'	Data Type
Default Comment	STRING	"	"	Default Comment

**Information**

Name: EPM-S202: DI8, DC 24V  
 Vendor: Lenze  
 Categories: Module  
 Type: 68  
 ID: 3B\_00059FC1\_0  
 Version: 1.0.0.3  
 Description: Ethercat Module imported from Slave XML: Lenze\_IOSystem100\_EPM\_S130\_Modules\_V11.xml Device: EPM-S202 DI8, DC 24V



1.3.3.2 Device: EPM\_S302\_DO8\_DC\_24V\_0\_5A

**Module Parameters**

**Parameters:**

Name:	Type:	Value:	Default Value:	Unit:	Description:
Module ident	DWORD	16#0106AFC8	16#0106AFC8		
Module class	STRING	'sm_dig_out'	'sm_dig_out'		
Module pdo group	DINT	2			
Number of RxPDOs of the Slave	DWORD	1			Number of RxPDOs of the Slave
Number of TxPDOs of the Slave	DWORD	0			Number of TxPDOs of the Slave
RxTxPdo					
NumberofExcludes	INT	0	0		
NumberofEntries	INT	8	8		
Index	UINT	16#1600	16#1600		

1.3.3.2 Device: EPM\_S302\_DO8\_DC\_24V\_0\_5A

Fixed Mandatory	BOOL	True	True	
Virtual	BOOL	True	True	
Sm	INT	2	2	
Su	INT	0	0	
Name	STRING	'Outputs'	'Outputs'	
DO 0				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	1	1	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 1				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	2	2	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 2				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	3	3	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 3				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	4	4	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 4				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	5	5	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 5				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	6	6	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 6				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	7	7	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 7				
Index	UINT	16#7000	16#7000	Index
SubIndex	UINT	8	8	SubIndex
Size	UINT	1	1	Size
Offset	UINT			Offset
DO 0				
Name	STRING	'DO 0'	'DO 0'	Name
Data Type	STRING	'BOOL'	'BOOL'	Data Type
Default Comment	STRING	"	"	Default Comment
DO 1				
Name	STRING	'DO 1'	'DO 1'	Name
Data Type	STRING	'BOOL'	'BOOL'	Data Type
Default Comment	STRING	"	"	Default Comment
DO 2				
Name	STRING	'DO 2'	'DO 2'	Name

DataType	STRING	'BOOL'	'BOOL'	DataType
Default	STRING	"	"	Default
Comment	STRING	"	"	Comment
DO 3				
Name	STRING	'DO 3'	'DO 3'	Name
DataType	STRING	'BOOL'	'BOOL'	DataType
Default	STRING	"	"	Default
Comment	STRING	"	"	Comment
DO 4				
Name	STRING	'DO 4'	'DO 4'	Name
DataType	STRING	'BOOL'	'BOOL'	DataType
Default	STRING	"	"	Default
Comment	STRING	"	"	Comment
DO 5				
Name	STRING	'DO 5'	'DO 5'	Name
DataType	STRING	'BOOL'	'BOOL'	DataType
Default	STRING	"	"	Default
Comment	STRING	"	"	Comment
DO 6				
Name	STRING	'DO 6'	'DO 6'	Name
DataType	STRING	'BOOL'	'BOOL'	DataType
Default	STRING	"	"	Default
Comment	STRING	"	"	Comment
DO 7				
Name	STRING	'DO 7'	'DO 7'	Name
DataType	STRING	'BOOL'	'BOOL'	DataType
Default	STRING	"	"	Default
Comment	STRING	"	"	Comment

**Information**

Name: EPM-S302: DO8, DC 24V 0.5A  
 Vendor: Lenze  
 Categories: Module  
 Type: 68  
 ID: 3B\_0106AFC8\_0  
 Version: 1.0.0.3  
 Description: Ethercat Module imported from Slave XML: Lenze\_IOSystem100\_EPM\_S130\_Modules\_V11.xml Device: EPM-S302 DO8, DC 24V 0.5A



## 2 GlobalTextList: GlobalTextList

## 3 Library Manager: Library Manager

```
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#System_VisuElemsDateTime
#system_visuinputs
```

## 4 : Project Settings

Static Analysis Light:

Unused variables (#33): 0  
 Overlapping memory areas (#28): 0  
 Concurrent access (#6): 0  
 Multiple write access on output (#4): 0  
 Multiple usage of name (#27): 0