

Project Documentation

File: PickAndPlaceXYZ.project

Date: 11/29/2024

Profile: V22.1.1.0

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1 Device: PLC1

Users and Groups

Users:

Groups

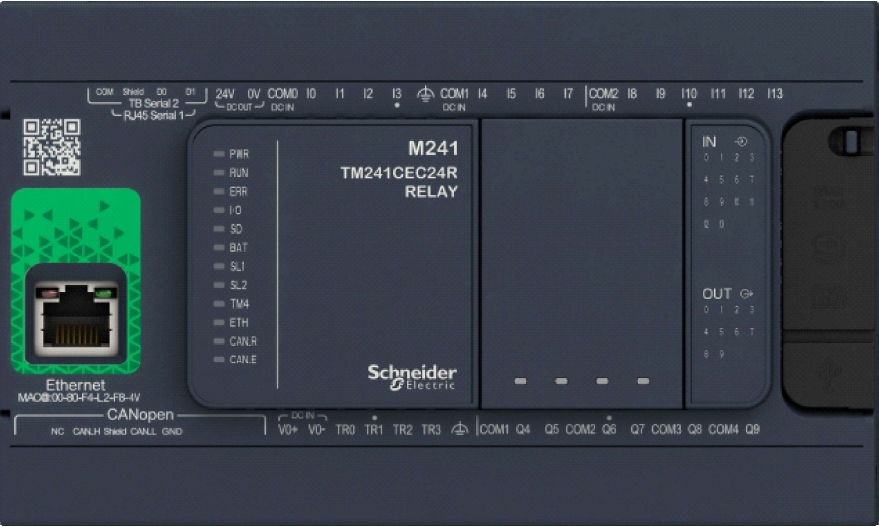
Access Rights

- View
- Modify
- Execute
- Add/remove children

Symbol Rights

Information

Name: TM241CEC24R
Vendor: Schneider Electric
Categories: PLCs, M241
Type: 4096
ID: 101a 0707
Version: 5.2.11.24
Order number: TM241CEC24R
Description: TM241CEC24R
14 digital inputs, 4 transistor source outputs (0.5A), 6 relay outputs (2A), 2 serial line ports, 1 Ethernet port, 1 CANopen port, 100-240 Vac modular controller with removable terminal blocks.



1.1 PLC Logic: Plc Logic

1.1.1 Application: Application

1.1.1.1 Global Variable List: VariablesIO

```
1      {attribute 'qualified_only'}
2      VAR_GLOBAL
3          PaletFWD : BOOL ;
4          BoxFWD : BOOL ;
5          Grab : BOOL ;
6          PaletFWD2 : BOOL ;
7          AddPalet : BOOL ;
8          SPX : WORD ;
9          SPY : WORD ;
10         SPZ : WORD ;
11         X : WORD ;
12         Y : WORD ;
13         Z : WORD ;
14         AddBox : BOOL ;
15
16         S1_Start : BOOL ;
17         S2_Stop : BOOL ;
18         PaletP1 : BOOL ;
19         BoxP : BOOL ;
20         Grabed : BOOL ;
21         CountPalet : WORD ;
22         PaletOUT : BOOL ;
23     END_VAR
24
```

1.1.1.2 Library Manager: Library Manager

```
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmpIoMgr Implementation
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
    Base Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
#Standard
#Util
    #Standard
    #SysMem
        SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    #CBML
    #SysTimeRtc
```

```
    SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#SE_PLCSysmem
#SysMem
  SysTypes2 Interfaces, * (System)
#CAA File
#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)
    CmpErrors2 Interfaces, * (System)
#RSMUtility
#MemoryBlockManager
#CAA Callback
#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)
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA MemBlockMan
  #CAA Types
    #SysCpuHandling
    #SysMem
      SysTypes2 Interfaces, * (System)
      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 ResMan
  #CAA Types
    #SysCpuHandling
    #SysMem
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#CmplecTask
  #CmpApp
    SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    CmpEventMgr Interfaces, * (System)
  #CmpEventMgr Implementation
    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Component Manager
  #CmpEventMgr
    CmpEventMgr Interfaces, * (System)
```

```

    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
#CmpEventMgr
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#CmpEventMgr Implementation
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    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
#CmpEventMgr
    CmpEventMgr Interfaces, * (System)
#CmpEventMgr Implementation
    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SysEvent
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    CmpEventMgr Interfaces, * (System)
#CmpEventMgr Implementation
    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#CmpAsyncMgr
    SysTypes2 Interfaces, * (System)
#CmpSchedule
#CmpApp
    SysTypes2 Interfaces, * (System)
#CmpEventMgr
    CmpEventMgr Interfaces, * (System)
#CmpEventMgr Implementation
    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SysTime
#SysTimeCore
    SysTypes2 Interfaces, * (System)
#SysTimeRtc
    #SysTimeCore
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#CAA Memory
#CmpApp

```

```

#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpErrors
  #SysTypes
#CAA Types
  #SysCpuHandling
  #SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SysTimeCore
  SysTypes2 Interfaces, * (System)
#SysDir
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#Standard
  SysTypes Interfaces, * (System)
#SE_PLCCommunication
  #SysMem
    SysTypes2 Interfaces, * (System)
  #Standard
#SE_RelocationTable
  #SysMem
    SysTypes2 Interfaces, * (System)
M241 HSC, 1.0.1.0 (Schneider Electric)
M241 PTO PWM, 1.0.1.0 (Schneider Electric)
#CANbusDevice
  #CAA Device Diagnosis
  #CAA Behaviour Model
  #CAA Types
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      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
  #CAA TickUtil
  #CAA Types
    #SysCpuHandling
    #SysMem
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
  #CAA Tick

```



```
#SysCpuHandling
#SysMem
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#IoStandard
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpIoMgr Implementation
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    SysTypes2 Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
    Base Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpEventManager
    CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
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    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
IoDriver Interfaces, * (System)
Base Interfaces, * (System)
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SysTypes2 Interfaces, * (System)
#CmpAsyncMgr
    SysTypes2 Interfaces, * (System)
#CommFB
#SysMem
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    IoDriver Profibus2 Interfaces, * (System)
#IoStandard
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpIoMgr Implementation
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    CmpIoMgr Interfaces, * (System)
    Base Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
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    SysTypes2 Interfaces, * (System)
#IoDrvBase
#IoStandard
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    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpIoMgr Implementation
```

```
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CmploMgr Interfaces, * (System)
Base Interfaces, * (System)
CmploMgr Interfaces, * (System)
Base Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#IoDriver Utility
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmploMgr Implementation
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmploMgr Interfaces, * (System)
Base Interfaces, * (System)
CmploMgr Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#SysCpuHandling
#SysMem
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
Base Interfaces, * (System)
#Component Manager
#CmpEventManager
CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
CmpEventManager Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmpApp
SysTypes2 Interfaces, * (System)
#CmpEventManager
CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
CmpEventManager Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#CmpLog
SysTypes2 Interfaces, * (System)
#Standard
#CAA CanL2
```

```
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    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 CanL2I
#CAA Types
    #SysCpuHandling
    #SysMem
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#CAA MemBlockMan
#CAA Types
    #SysCpuHandling
    #SysMem
        SysTypes2 Interfaces, * (System)
        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 ResMan
#CAA Types
    #SysCpuHandling
    #SysMem
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
    #SysCpuHandling
```

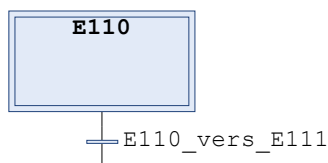
```
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#BreakpointLogging
    #CmpLog
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
#IecSfc
    #Standard
#Analyzation
#IecVarAccess
    #Component Manager
        #CmpEventManager
            CmpEventManager Interfaces, * (System)
            #CmpEventManager Implementation
                CmpEventManager Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
        #CmpApp
            SysTypes2 Interfaces, * (System)
            #CmpEventManager
                CmpEventManager Interfaces, * (System)
                #CmpEventManager Implementation
                    CmpEventManager Interfaces, * (System)
                    CmpErrors2 Interfaces, * (System)
                    SysTypes2 Interfaces, * (System)
                    SysTypes2 Interfaces, * (System)
                    CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
#SymbolicVarsBase
    #CmpApp
        SysTypes2 Interfaces, * (System)
        #CmpEventManager
            CmpEventManager Interfaces, * (System)
            #CmpEventManager Implementation
                CmpEventManager Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
#SysMem
    SysTypes2 Interfaces, * (System)
    Base Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    IecVarAccess3 Interfaces, * (System)
#StringUtils
    #Standard
    #SysMem
        SysTypes2 Interfaces, * (System)
    #SysTimeRtc
        #SysTimeCore
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
```

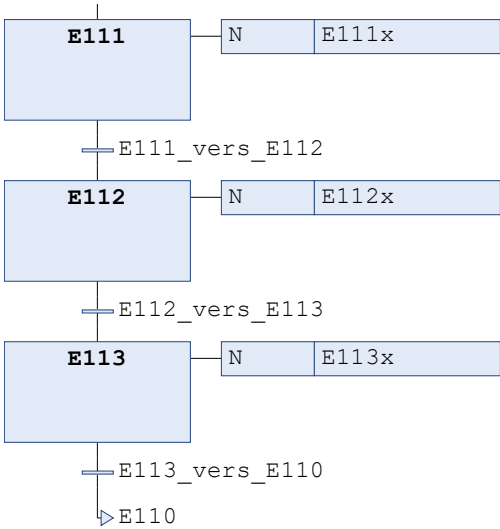
```
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#Component Manager
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
Collections Interfaces, * (System)
#CmplecVarAccess
  CmplecVarAccess Interfaces, * (System)
#CmplecVarAccess Implementation
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  lecVarAccess3 Interfaces, * (System)
  Collections Interfaces, * (System)
  CmplecVarAccess Interfaces, * (System)
#SysCpuHandling
#SysMem
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  CmpOPCUAStack Interfaces, * (System)
  CmpUserMgr, 3.5.17.0 (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
```

```
CmpEventMgr Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
CmpOPCUAStack, 3.5.17.0 (System)
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
IecVarAccess3 Interfaces, * (System)
Collections Interfaces, * (System)
#CmpIecVarAccess
  CmpIecVarAccess Interfaces, * (System)
  #CmpIecVarAccess Implementation
    Base Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    IecVarAccess3 Interfaces, * (System)
    Collections Interfaces, * (System)
    CmpIecVarAccess Interfaces, * (System)
CmpOPCUAServer Interfaces, * (System)
CmpOPCUAStack Interfaces, * (System)
IecVarAccessOpcUaMetaData Interfaces, * (System)
CmpUserMgr, 3.5.17.0 (System)
#Standard
#CmpLog
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    CmpEventMgr Interfaces, * (System)
    #CmpEventMgr Implementation
      CmpEventMgr Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
#SysMem
  SysTypes2 Interfaces, * (System)
```

1.1.1.3 POU: FinCycle

```
1  PROGRAM FinCycle
2  VAR
3      E111x : BOOL ;
4      E112x : BOOL ;
5      E113x : BOOL ;
6      TempoE113 : TON ;
7  END_VAR
8
```





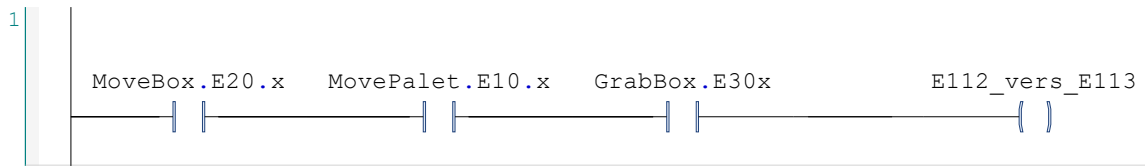
1.1.1.3.1 Transition: E110_vers_E111



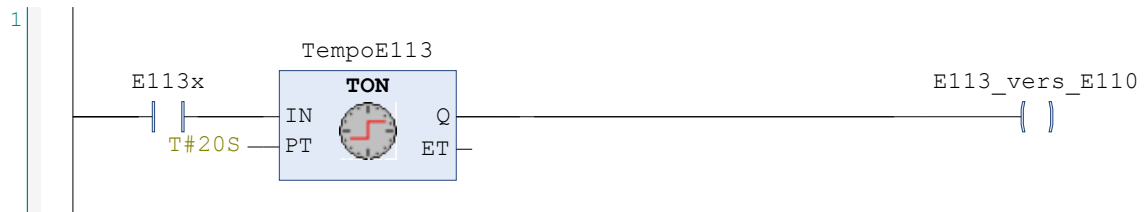
1.1.1.3.2 Transition: E111_vers_E112



1.1.1.3.3 Transition: E112_vers_E113



1.1.1.3.4 Transition: E113_vers_E110



1.1.1.4 POU: GrabBox

```
1      PROGRAM GrabBox
2      VAR
3          E30x : BOOL ;
4          E31x : BOOL ;
5          E32x : BOOL ;
6          E33x : BOOL ;
7          E34x : BOOL ;
8          E35x : BOOL ;
9          Go112 : BOOL ;
10     END_VAR
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
```

```
1      IF Mode . E0 . x
2      THEN
3          E30x := 1 ;
4          Go112 := 0 ;
5          VariablesIO . SPX := 0 ;
6          VariablesIO . SPY := 0 ;
7          VariablesIO . SPZ := 0 ;
8      END_IF
9
10     IF El02Trig AND E30x
11     THEN (* Aller au dessus du carton *)
12         E30x := 0 ;
13         E31x := 1 ;
14         VariablesIO . SPX := 8 ;
15         VariablesIO . SPY := 5 ;
16         VariablesIO . SPZ := 5 ;
17
18     END_IF
19
20     IF VariablesIO . X = 8 AND VariablesIO . Y = 5 AND VariablesIO . Z = 5
21     AND E31x
22     THEN
23         E31x := 0 ;
24         E32x := 1 ;
25         VariablesIO . Grab := 1 ;
26
27     END_IF
28
29     IF VariablesIO . Grabed AND E32x
30     THEN
31         E32x := 0 ;
32         E33x := 1 ;
33         VariablesIO . SPX := 4 ;
34         VariablesIO . SPZ := 5 ;
35
36     END_IF
37
38     IF VariablesIO . X = 4 AND VariablesIO . Y = 5 AND VariablesIO . Z = 5
39     AND E33x
40     THEN
```

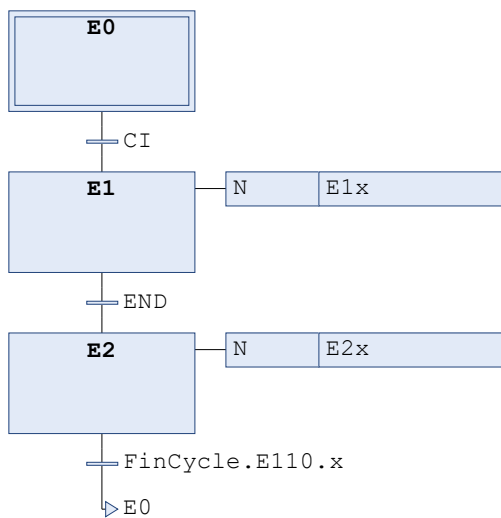
```
39         E33x := 0 ;
40         E34x := 1 ;
41         VariablesIO . Grab := 0 ;
42
43     END_IF
44
45     IF NOT ( VariablesIO . Grabed ) = 0 AND E34x
46     THEN (* Aller en position initiale *)
47         E34x := 0 ;
48         E35x := 1 ;
49         VariablesIO . SPX := 0 ;
50         VariablesIO . SPY := 0 ;
51         VariablesIO . SPZ := 0 ;
52
53     END_IF
54
55     IF VariablesIO . X = 0 AND VariablesIO . Y = 0 AND VariablesIO . Z = 0
56     AND E35x
57     THEN
58         E35x := 0 ;
59         E30x := 1 ;
60     END_IF
61
62     IF FinCycle . E111x
63     THEN
64         E30x := 0 ;
65         E31x := 0 ;
66         E32x := 0 ;
67         E33x := 0 ;
68         E34x := 0 ;
69         E35x := 0 ;
70
71         VariablesIO . SPX := 4 ;
72         VariablesIO . SPY := 5 ;
73         VariablesIO . SPZ := 5 ;
74
75         VariablesIO . Grab := 0 ;
76
77         VariablesIO . SPX := 0 ;
78         VariablesIO . SPY := 0 ;
79         VariablesIO . SPZ := 0 ;
80
81         Go112 := 1 ;
82
83         E30x := 1 ;
84     END_IF
85     (* Rajouter :
86     si appeller fin de cycle E111,
87     go au dessus de la palette,
88     grab:=0 et
89     go pos init
90     set Go112 à 1 et
91     tout les E30 à 0 et
92     E30 à 1 *)
```

1.1.1.4.1 Transition: E102Trig



1.1.1.5 POU: Mode

```
1  PROGRAM Mode
2  VAR
3      E1x : BOOL ;
4      E2x : BOOL ;
5  END_VAR
6
```



1.1.1.5.1 Transition: CI

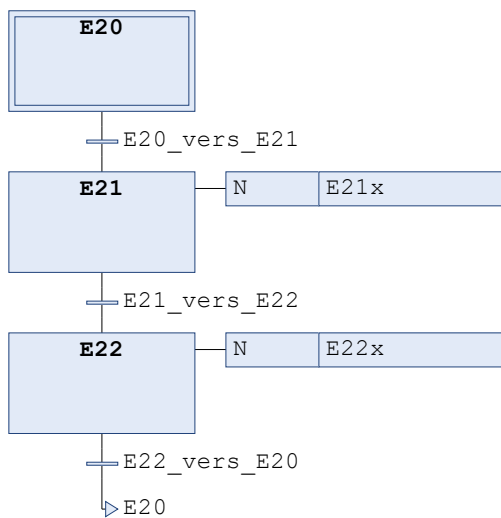


1.1.1.5.2 Transition: END



1.1.1.6 POU: MoveBox

```
1  PROGRAM MoveBox
2  VAR
3      E21x : BOOL ;
4      E22x : BOOL ;
5  END_VAR
6
7  VAR_INPUT
8      SFCinit : BOOL ;
9  END_VAR
10
```



1.1.1.6.1 Transition: E20_vers_E21



1.1.1.6.2 Transition: E21_vers_E22

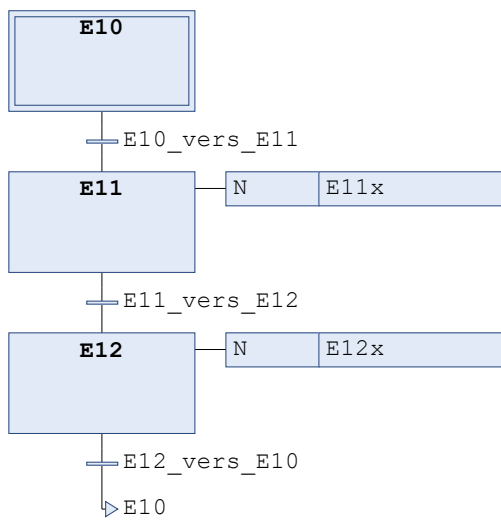


1.1.1.6.3 Transition: E22_vers_E20



1.1.1.7 POU: MovePalet

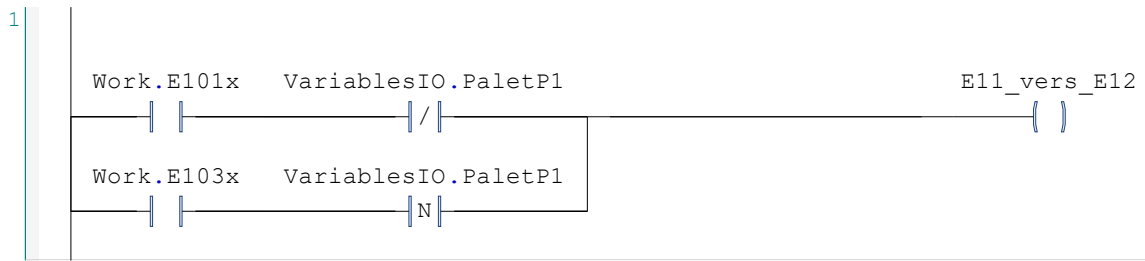
```
1      PROGRAM MovePalet
2      VAR
3          E12x : BOOL ;
4          E11x : BOOL ;
5          E13x : BOOL ;
6      END_VAR
7
8      VAR_INPUT
9          SFCinit : BOOL ;
10     END_VAR
11
```



1.1.1.7.1 Transition: E10_vers_E11



1.1.1.7.2 Transition: E11_vers_E12

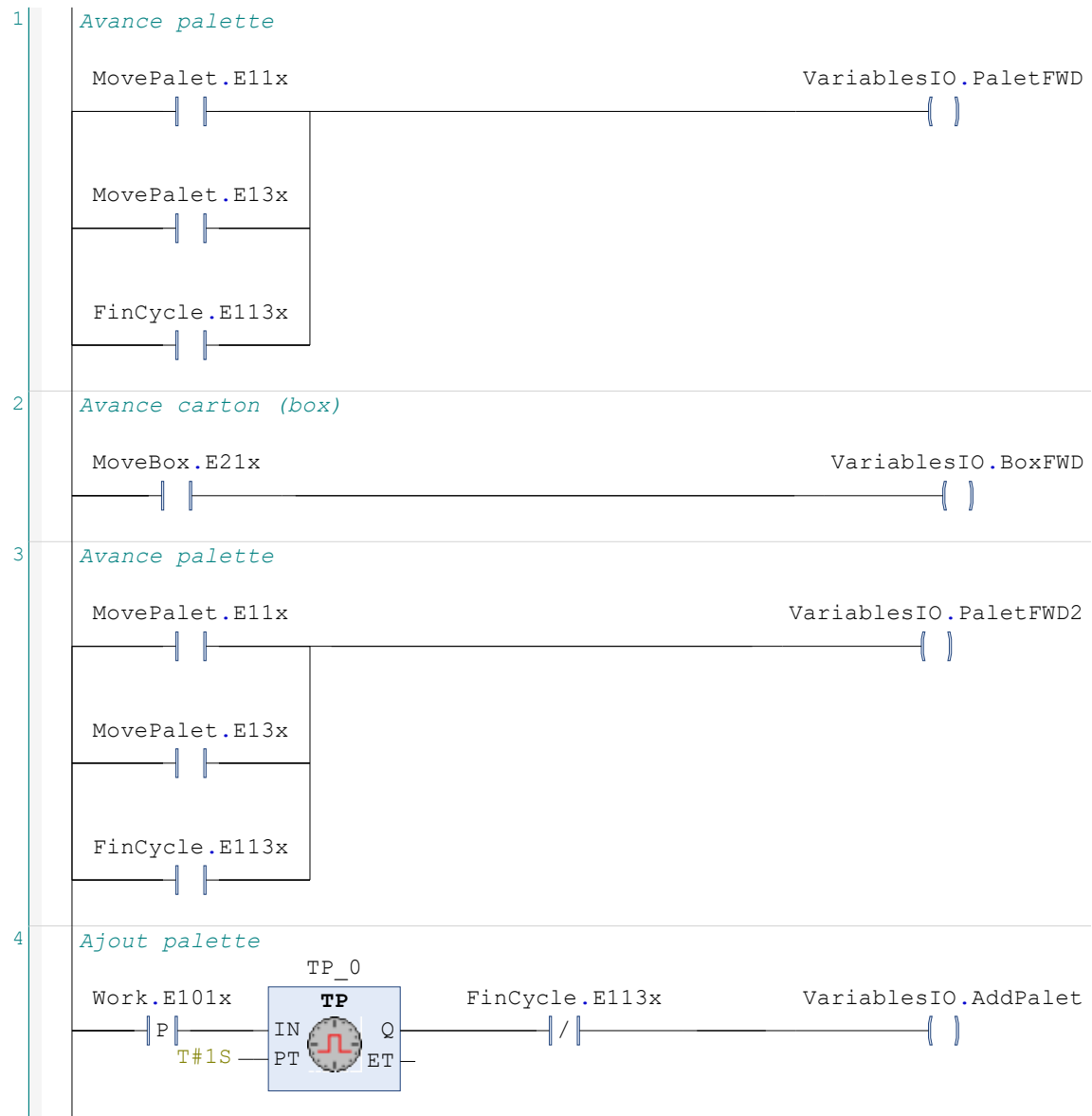


1.1.1.7.3 Transition: E12_vers_E10

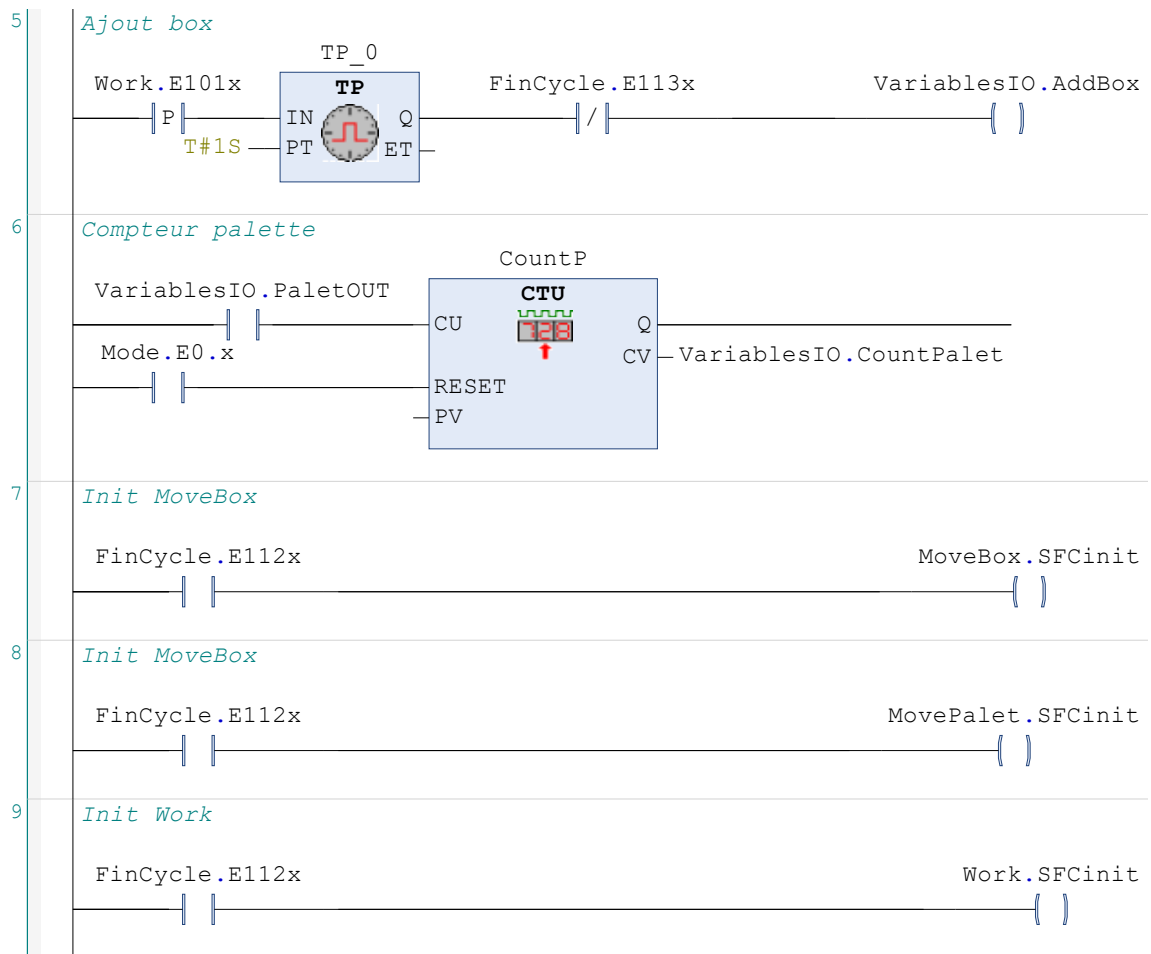


1.1.1.8 POU: Outputs

```
1  PROGRAM Outputs
2  VAR
3      TP_0 : TP ;
4      CountP : CTU ;
5  END_VAR
6
```

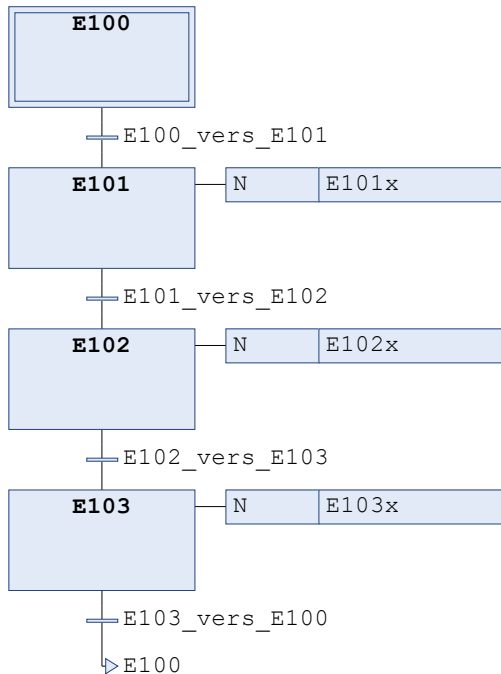


1.1.1.8 POU: Outputs



1.1.1.9 POU: Work

```
1      PROGRAM Work
2      VAR
3          E101x : BOOL ;
4          E102x : BOOL ;
5          E103x : BOOL ;
6          E104x : BOOL ;
7      END_VAR
8
9      VAR_INPUT
10         SFCinit : BOOL ;
11     END_VAR
12
```



1.1.1.9.1 Transition: E100_vers_E101



1.1.1.9.2 Transition: E101_vers_E102



1.1.1.9.3 Transition: E102_vers_E103



1.1.1.9.4 Transition: E103_vers_E100



1.1.1.10 Symbol Configuration: Symbols

1.1.1.11 Task Configuration: Task Configuration

Max. number of tasks: 19
Max. number of cyclic tasks: 5
Max. number of freewheeling tasks: 1
Max. number of event tasks: 8
Max. number of external event tasks: 16

System Events:

1.1.1.11.1 Task: MAST

Priority: 15
Type: Cyclic
Interval: 20 Unit: ms
Watchdog: Active
Watchdog Time: 100 Unit: ms
Watchdog Sensitivity: 1
POUs: MovePalet
 Mode
 Outputs
 MoveBox
 GrabBox
 Work
 FinCycle

1.1.1.11.1.1 Program Call: MovePalet

1.1.1.11.1.2 Program Call: Mode

1.1.1.11.1.3 Program Call: Outputs

1.1.1.11.1.4 Program Call: MoveBox**1.1.1.11.1.5 Program Call: GrabBox****1.1.1.11.1.6 Program Call: Work****1.1.1.11.1.7 Program Call: FinCycle*****1.2 Device: DI*****I/O Configuration**

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Inputs Parameters			
I0			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I1			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I2			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I3			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I4			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I5			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I6			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	

1.2 Device: DI

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
I7			
Filter	ENUM	4	
Latch	ENUM	No	
Event	ENUM	No	
Bounce	ENUM	0.000	
I8			
Filter	ENUM	4	
I9			
Filter	ENUM	4	
I10			
Filter	ENUM	4	
I11			
Filter	ENUM	4	
I12			
Filter	ENUM	4	
I13			
Filter	ENUM	4	
IOs Usage	UINT	0	
General Parameters			
Run/Stop Input	ENUM	None	
Run/Stop Input History	STRING	'old=255 new=255'	

Information

Name: Digital Inputs
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: DIG_IN
Version: 5.2.11.24
Order number: -
Description:

1.3 Device: DQ

I/O Configuration

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Outputs Usage	UINT	0	
General Parameters			
Alarm Output	ENUM	None	
Rearming Output Mode	ENUM	Auto	
Synchronization			
Minimize jitter for local output	ENUM	No	

Information

Name: Digital Outputs
Vendor: Schneider Electric
Categories:
Type: 4096

ID: 101a 0707
Module ID: DIG_OUT
Version: 5.2.11.24
Order number: -
Description:

1.4 Device: Counters

±

Visible Name	Base Type	Value	Default Value (if different)
Counting function	ENUM	None	
InstanceNumber	SINT	0	
General			
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	1	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	2	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	3	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	4	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	5	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	6	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	7	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	8	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	9	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	10	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	11	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	12	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			

1.4 Device: Counters

Visible Name	Base Type	Value	Default Value (if different)
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Counting function	ENUM	None	
InstanceNumber	SINT	13	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	One-shot	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DWORD	2147483647	
Time base	ENUM	1	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DWORD	0	
Threshold 1 value	DWORD	0	
Threshold 2 value	DWORD	0	
Threshold 3 value	DWORD	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Stop Event	ENUM	No	
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			
HSC Main Id	ENUM	None	
Stop External Event	STRING	"	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
EN input			
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
Counting Mode	ENUM	Modulo-loop	
Input Mode	ENUM	A=UP, B=DOWN	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
B input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Preset	DINT	2147483647	
Limits	ENUM	Lock on limits	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Preset condition	ENUM	SYNC Rising	
CAP input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Capture			
Mode	ENUM	Preset	
Thresholds			
Number of thresholds	ENUM	0	
Threshold 0 value	DINT	0	
Threshold 1 value	DINT	0	
Threshold 2 value	DINT	0	
Threshold 3 value	DINT	0	
Reflex 0 output			
Location	ENUM	Disabled	
Reflex 1 output			
Location	ENUM	Disabled	
Intervals			
Min count to TH0			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH0 to TH1			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH1 to TH2			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH2 to TH3			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
TH3 to max count			
Reflex 0 value	BOOL	FALSE	
Reflex 1 value	BOOL	FALSE	
Events			
Threshold 0	ENUM	No	
Threshold 1	ENUM	No	
Threshold 2	ENUM	No	
Threshold 3	ENUM	No	
External Event Configuration			

1.4 Device: Counters

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
HSC Main Id	ENUM	None	
Threshold 0 External Event	STRING	"	
Threshold 1 External Event	STRING	"	
Threshold 2 External Event	STRING	"	
Threshold 3 External Event	STRING	"	
Reflex 1 output			
Reflex 1 output History	STRING	'old=-1 new=-1'	
Reflex 0 output			
Reflex 0 output History	STRING	'old=-1 new=-1'	
CAP input			
CAP input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
B input			
B input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Time base	ENUM	1000	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	
Instance name	STRING	"	
PeriodMeter Mode	ENUM	Edge to Edge	
A input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
Range			
Resolution	ENUM	1	
Timeout	DWORD	0	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
EN input History	STRING	'old=-1 new=-1'	
A input			
A input History	STRING	'old=-1 new=-1'	
General			
Temporary Instance name	STRING	"	

Information

Name: Counters
Vendor: Schneider Electric
Categories:
Type: 4096

ID: 101a 0707
 Module ID: COUNTERS
 Version: 5.2.11.24
 Order number: -
 Description:

1.5 Device: Pulse_Generators

±

Visible Name	Base Type	Value	Default Value (if different)
Pulse generation function	ENUM	None	
InstanceNumber	SINT	0	
General			
Instance name	STRING	"	
Output Mode	ENUM	A ClockWise / B CounterClockWise	
A output location	ENUM	Disabled	
B output location	ENUM	Disabled	
Mechanics			
Backlash Compensation	DWORD	0	
Software Limits			
Enable Software Limits	ENUM	Enabled	
SW Low Limit	DINT	-2147483648	
SW High Limit	DINT	2147483647	
General			
Maximum Velocity	DWORD	100000	
Start Velocity	DWORD	0	
Stop Velocity	DWORD	0	
Acc./Dec. Unit	ENUM	Hz/ms	
Maximum Acceleration	DWORD	100000	
Maximum Deceleration	DWORD	100000	
Fast Stop			
Fast Stop Deceleration	DWORD	5000	
REF input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
INDEX input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
PROBE input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
General			
PTO A Output Type	ENUM	Disabled	
PTO B Output Type	ENUM	Disabled	
PROBE input			
PROBE input History	STRING	'old=-1 new=-1'	
INDEX input			
INDEX input History	STRING	'old=-1 new=-1'	
REF input			
REF input History	STRING	'old=-1 new=-1'	
General			
B output History	STRING	'old=-1 new=-1'	
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	

1.5 Device: Pulse_Generators

Visible Name	Base Type	Value	Default Value (if different)
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
PWM A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
Frequency Generator A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Pulse generation function	ENUM	None	
InstanceNumber	SINT	1	
Instance name	STRING	"	
Output Mode	ENUM	A ClockWise / B CounterClockWise	
A output location	ENUM	Disabled	
B output location	ENUM	Disabled	
Mechanics			
Backlash Compensation	DWORD	0	
Software Limits			
Enable Software Limits	ENUM	Enabled	
SW Low Limit	DINT	-2147483648	
SW High Limit	DINT	2147483647	
General			
Maximum Velocity	DWORD	100000	
Start Velocity	DWORD	0	
Stop Velocity	DWORD	0	
Acc./Dec. Unit	ENUM	Hz/ms	
Maximum Acceleration	DWORD	100000	
Maximum Deceleration	DWORD	100000	
Fast Stop			
Fast Stop Deceleration	DWORD	5000	
REF input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	

1.5 Device: Pulse_Generators

Visible Name	Base Type	Value	Default Value (if different)
Type	ENUM	Normally opened	
INDEX input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
PROBE input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
General			
PTO A Output Type	ENUM	Disabled	
PTO B Output Type	ENUM	Disabled	
PROBE input			
PROBE input History	STRING	'old=-1 new=-1'	
INDEX input			
INDEX input History	STRING	'old=-1 new=-1'	
REF input			
REF input History	STRING	'old=-1 new=-1'	
General			
B output History	STRING	'old=-1 new=-1'	
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
PWM A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
Frequency Generator A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Pulse generation function	ENUM	None	
InstanceNumber	SINT	2	

1.5 Device: Pulse_Generators

Visible Name	Base Type	Value	Default Value (if different)
Instance name	STRING	"	
Output Mode	ENUM	A ClockWise / B CounterClockWise	
A output location	ENUM	Disabled	
B output location	ENUM	Disabled	
Mechanics			
Backlash Compensation	DWORD	0	
Software Limits			
Enable Software Limits	ENUM	Enabled	
SW Low Limit	DINT	-2147483648	
SW High Limit	DINT	2147483647	
General			
Maximum Velocity	DWORD	100000	
Start Velocity	DWORD	0	
Stop Velocity	DWORD	0	
Acc./Dec. Unit	ENUM	Hz/ms	
Maximum Acceleration	DWORD	100000	
Maximum Deceleration	DWORD	100000	
Fast Stop			
Fast Stop Deceleration	DWORD	5000	
REF input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
INDEX input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
PROBE input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
General			
PTO A Output Type	ENUM	Disabled	
PTO B Output Type	ENUM	Disabled	
PROBE input			
PROBE input History	STRING	'old=-1 new=-1'	
INDEX input			
INDEX input History	STRING	'old=-1 new=-1'	
REF input			
REF input History	STRING	'old=-1 new=-1'	
General			
B output History	STRING	'old=-1 new=-1'	
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
PWM A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			

1.5 Device: Pulse_Generators

Visible Name	Base Type	Value	Default Value (if different)
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
Frequency Generator A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Pulse generation function	ENUM	None	
InstanceNumber	SINT	3	
Instance name	STRING	"	
Output Mode	ENUM	A ClockWise / B CounterClockWise	
A output location	ENUM	Disabled	
B output location	ENUM	Disabled	
Mechanics			
Backlash Compensation	DWORD	0	
Software Limits			
Enable Software Limits	ENUM	Enabled	
SW Low Limit	DINT	-2147483648	
SW High Limit	DINT	2147483647	
General			
Maximum Velocity	DWORD	100000	
Start Velocity	DWORD	0	
Stop Velocity	DWORD	0	
Acc./Dec. Unit	ENUM	Hz/ms	
Maximum Acceleration	DWORD	100000	
Maximum Deceleration	DWORD	100000	
Fast Stop			
Fast Stop Deceleration	DWORD	5000	
REF input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
INDEX input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
Type	ENUM	Normally opened	
PROBE input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.005	
General			
PTO A Output Type	ENUM	Disabled	
PTO B Output Type	ENUM	Disabled	
PROBE input			
PROBE input History	STRING	'old=-1 new=-1'	
INDEX input			
INDEX input History	STRING	'old=-1 new=-1'	

1.5 Device: Pulse_Generators

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
REF input			
REF input History	STRING	'old=-1 new=-1'	
General			
B output History	STRING	'old=-1 new=-1'	
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
PWM A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	
Instance name	STRING	"	
A output location	ENUM	Disabled	
SYNC input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
SYNC Edge	ENUM	Rising	
EN input			
Location	ENUM	Disabled	
Bounce filter	ENUM	0.002	
General			
Frequency Generator A Output Type	ENUM	Disabled	
EN input			
EN input History	STRING	'old=-1 new=-1'	
SYNC input			
SYNC input History	STRING	'old=-1 new=-1'	
General			
A output History	STRING	'old=-1 new=-1'	
Temporary Instance name	STRING	"	

Information

Name: Pulse Generators
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: PULSE_GENERATORS
Version: 5.2.11.24
Order number: -
Description:

1.6 Device: Cartridge_1

Information

Name: Cartridge
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: CARTRIDGE_1
Version: 5.2.11.24
Order number: -
Description:

1.7 Device: IO_Bus

Information

Name: IO bus - TM3
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: IO_EXPANSION_BUS
Version: 5.2.11.24
Order number: -
Description:

1.8 Device: COM_Bus

Information

Name: COM bus
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: COM_EXPANSION_BUS
Version: 5.2.11.24
Order number: -
Description:

1.9 Device: Ethernet_1

Information

Name: Ethernet Network
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: ETHERNET_1
Version: 5.2.11.24
Order number: -
Description:

1.10 Device: Serial_Line_1

Configuration

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Serial Line Configuration			
Baudrate	ENUM	115200	
Parity	ENUM	None	
Medium	ENUM	RS485	
Polarization	ENUM	No	
DataBits	ENUM	8	
StopBits	ENUM	1	

Information

Name: Serial line
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: SERIAL_LINE_1
Version: 5.2.11.24
Order number: -
Description:

1.10.1 Device: Machine_Expert_Network_Manager

Information

Name: Machine Expert-Network Manager
Vendor: Schneider Electric
Categories: Protocol Managers
Type: 41102
ID: 101a 000d
Version: 4.0.0.4
Description: Machine Expert - Network manager

1.11 Device: Serial_Line_2

Configuration

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Serial Line Configuration			
Baudrate	ENUM	19200	
Parity	ENUM	Even	
Medium	ENUM	RS485	
Polarization	ENUM	No	
DataBits	ENUM	8	
StopBits	ENUM	1	

Information

Name: Serial line
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: SERIAL_LINE_2
Version: 5.2.11.24
Order number: -
Description:

1.11.1 Device: Modbus_Manager

Configuration

<i>Visible Name</i>	<i>Base Type</i>	<i>Value</i>	<i>Default Value (if different)</i>
Modbus Configuration			
Inter-frame delay	WORD	10	
Address	BYTE	1	
Transmission Mode	ENUM	RTU	
CoDeSys compliance	ENUM	No	
Routing Mode	ENUM	Main Net	

Information

Name: Modbus Manager
Vendor: Schneider Electric
Categories: Modbus Serial Port, Protocol Managers
Type: 41101
ID: 101a 000c
Version: 4.0.0.4
Description: Modbus manager

1.12 Device: CAN_1

Information

Name: CANopen bus
Vendor: Schneider Electric
Categories:
Type: 4096
ID: 101a 0707
Module ID: CANOPEN
Version: 5.2.11.24
Order number: -
Description:
Configuration version: 3.5.15.0

2 Project Information: Project Information

File

Name PickAndPlaceXYZ.project
Location C:\Users\PC Automatisme\Downloads\jbluem
Size 2.32 MB (2,437,360 bytes)
MS-DOS name C:\Users\PC AUTO~1\DOWNLO~1\jbluem\PICKAN~1.PRO
Created Wednesday, November 27, 2024 1:21:54 PM
Changed Friday, November 29, 2024 2:19:52 PM
Last access Friday, November 29, 2024 3:31:58 PM
Attributes Archive
Storage format V22.1.1.0

Summary

Company IRI
Title PickAndPlaceXYZ
Version 0.0.0.0
Library Categories
Default namespace
Author PC Automatisme
Description

Properties

Author [Text] PC Automatisme
Company [Text] IRI
Description [Text]
Git:IsGitManaged [Boolean] False
Project [Text] PickAndPlaceXYZ
Svn:IsSvnManaged [Boolean] False
Title [Text] PickAndPlaceXYZ
Version [Version] 0.0.0.0

Statistics

Global Variable List 1
PLC Logic 1
Program Call 7
Project Information 1

Transition	17
Task	1
Application	1
	1
	1
Library Manager	1
Task Configuration	1
Device	14
Symbol Configuration	1
POU	7

3 : Project Settings

Static Analysis Light:

Unused variables (#33): 0
Overlapping memory areas (#28): 0
Write access from several tasks (#6): 0
Multiple write access on output (#4): 0
Multiple uses of identifiers (#27): 0
Report temporary FunctionBlock instances (#167): 0
Suspicious operation on string (#175): 0