light\SIMATIC 300(1)\CPU 312\...\OB1 - <offline>

OB1 - <offline>

SIMATIC

Name: Family: Version: 0.1 Author: **Block version:** 2 07/26/2025 09:34:46 PM 02/15/1996 04:51:12 PM Time stamp Code:

Interface:

Lengths (block/logic/data): 00400 00270 00022

Name	Data Type	Address	Comment
TEMP		0.0	
OB1_EV_CLASS	Byte	0.0	Bits $0-3 = 1$ (Coming event), Bits $4-7 = 1$ (Event class 1)
OB1_SCAN_1	Byte	1.0	1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0	Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0	1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0	Reserved for system
OB1_RESERVED_2	Byte	5.0	Reserved for system
OB1_PREV_CYCLE	Int	6.0	Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0	Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0	Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0	Date and time OB1 started

Block: OB1 "Main Program Sweep (Cycle)"

Network: 1

```
T1
"t1"
  I0.0
                 I0.1
                                               Q0.0
 "start"
                "stop"
                                             "green 1"
                                                \leftarrow
   Т11
                                               Q0.4
                                             "green 3"
                                               <del>(</del> )—
  Q0.0
"green 1"
                                T1
"t1"
  +
                               S_ODT
                  S5T#15S-TV
                                     BI
                                    BCD
                                  T4
                               S_ODT
                                      Q -
                 S5T#10S TV
                                     BI -
                                    BCD -
```

Network: 2

```
T3
"t3"
                                                   Q1.5
"red2"
 I0.0
                  I0.1
"start"
                 "stop"
 +
                                                     \leftarrow
                                                  Q1.2
"red 4"
  T11
  1 +
                                                    \leftarrow
Q1.5
"red2"
                                   T3
"t3"
  + \vdash
                                  S_ODT
                   S5T#15S -TV
                                         ΒI
                                        BCD -
```

Network: 3

```
IO.1
"stop"
                                               Q1.6
"yellow 2"
    Τ4
                                    Т5
                                                  \leftarrow
Q1.6
"yellow 2"
                                                  Q1.1
                                               "yellow 4"
   +
                                                  \leftarrow
                                    Т5
                                 S_ODT
                    S5T#5S-TV
                                        BI -
                                       BCD -
```

Network: 4

```
I0.1
   T1
                                            Q1.4
  "t1"
               "stop"
                                          "green 2"
                                Т6
   1 |-
                                             \leftarrow
  Q1.4
                                            Q1.0
"green 2"
                                          "green 4"
  +
                                             \leftarrow
                                Т6
                             S_ODT
                 S5T#15S TV
                                   BI
                                  BCD
                               T10
                             S ODT
                S5T#10S TV
                                   BI -
                                  BCD -
                         -R
```

Network: 5

```
IO.1
"stop"
                                                  Q0.2
"red 1"
 T1
"t1"
                                     Т5
                                                    \leftarrow
Q0.2
"red 1"
                                                  Q0.6
"red 3"
  +
                                                    \leftarrow
                                     Т5
                                  S_ODT
                   S5T#15S-TV
                                         BI
                                        BCD -
```

Network: 6

```
IO.1
"stop"
                                               Q0.1
"yellow 1"
    T10
                                    Т11
    + +
                                                   \leftarrow
Q0.1
"yellow 1"
                                               Q0.5
"yellow 3"
   +
                                                   \leftarrow
                                    T11
                                  S_ODT
                     S5T#5S-TV
                                         BI
                                       BCD
```