OB1 - <offline>

Name: Family: Author: Version: 0.1 Block version: 2 02/08/2022 01:43:12 AM

Time stamp Code: 02/15/1996 04:51:12 PM Interface:

Lengths (block/logic/data): 00834 00672 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
```

```
M0.0
             I4.0
                                        M0.1
"LSCW2_V"
             "LS-CW1"
                                      "LSCW1_V"
```

Network: 2

```
M0.2
             I4.2
                                      M0.3
"LSQR2 2"
           "LS---QR1"
                                     "LSQR1_V"
```

```
M0.4
                                       M0.5
              I4.4
"LSKM2_V"
            "LS--KM1"
                                     "LSKM1_V"
```

M31.7
"ESTOP_
SCADA"

```
Network: 4
    M0.6
                  I4.6
                                             M0.7
  "LSMT2_V"
                "LS--MT1"
                                           "LSMT1_V"
                  +
                                              <del>-()---</del>
Network: 5
    M0.1
                 M0.3
                              M0.5
                                            M0.7
                                                          Q4.5
                                                                        Q4.0
  "LSCW1_V"
                "LSQR1 V"
                             "LSKM1 V"
                                           "LSMT1_V"
                                                        "BLEANDIN" "SYS REDY"
                                             +
                                                           -1/1---
                                                                        \longrightarrow
                  + \vdash
Network: 6
                                                                        M31.5
                                                           Q4.1
                                                         "SYSTEM
                                                                       "ESTOP
    Q4.0
                  I0.0
                                I0.1
                                                                                       M1.1
                                                                                                    M1.0
  "SYS REDY"
               "START PB"
                              "STOP-PB"
                                             M20.0
                                                         FAULT"
                                                                        COLI"
                                                                                     "STOP_V"
                                                                                                   "SUPPLY"
                                                            4/-
                                                                                                    \leftarrow
                                              +/1-
   M23.0
                  M1.2
   "PAUSE"
                "START_V"
    \dashv \vdash
                  \dashv \vdash
    M1.0
  "SUPPLY"
    + \vdash
Network: 7
                  WHEN PROGRAM ON IT ALWAYS GIVE A ONE PULSE
    Q4.0
                  M1.3
                                              M1.3
                  "SET"
                                             "SET"
 "SYS REDY"
    \dashv \vdash
                                              \leftarrow
    M1.3
                  Q4.0
    "SET"
               "SYS REDY"
     +
Network: 8
                                             M31.5
    I0.2
                                            "ESTOP
   "ESTOP"
                                            COLI"
```

~\—

```
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```

```
Network: 9 TIMER FOR BLINKING
```

```
M1.0 M1.4 TO M1.4 "PULSE" S_ODT "PULSE" S Q S5T#1S TV BI — R BCD
```

```
M1.0 "ESTOP M23.0 "PAUSE"

M23.0 "PAUSE"
```

Network: 11

```
M1.0
                                                   Q0.3
"SUPPLY"
                 M100.0
                                                  "AVCW"
                                                    \leftarrow
                                                   Q4.2
                                               "ADDING
                                  Q0.3
                                              WATER (PL3)
                                  "AVCW"
                                                   <del>()</del>
                                                   M0.0
                                  I4.1
                                "LS-CW2"
                                                "LSCW2_V"
                                                   <del>(</del> )-
```

```
M1.4
                Q0.0
                               C0
"PULSE"
               "AV-QR"
                             S_CUD
 + \vdash
                + \vdash
 M1.4
                Q0.3
                                   CV - MW2
"PULSE"
               "AVCW"
  + \vdash
                +
                          CD CV BCD
 M1.3
 "SET"
 + \vdash
 M31.5
                    C#10 -PV
"ESTOP
COLI"
                  M80.0 - R
```

```
M1.4
"PULSE"
               Q0.3
"AVCW"
                                                C1
                                              S_CUD
 +
                 + \vdash
                Q0.0
                                                    CV - MW4
               "AV-QR"
                + \vdash
                                               CV_BCD -
                Q0.1
               "AV-KM"
                 + \vdash
                Q4.6
"PL7"
 M1.4
"PULSE"
  4 +
                 +
                                  M80.1-S
                                   C#30 -PV
                               M31.5
                                "ESTOP
                                  COLI"-R
```

Network: 14

```
M31.5
"ESTOP COLI" M20.0 M100.0

MW4 -IN1

10 -IN2

M100.0
```

```
M1.0
                                           Q0.0
"SUPPLY"
              M100.0
                             M20.1
                                          "AV-QR"
                                           ~>—
                                           Q0.0
                                                      Q4.3
"AD WATER"
                                          "AV-QR"
                                           + \vdash
                                                         \leftarrow
                                                        M0.2
                                           I4.3
                                                      "LSQR2_2"
                                                         <>-
                                           + \vdash
                                           Q8.1
                                         "PUMP QR"
                                           ←>—
```

```
Network: 16
```

```
Q0.1
"AV-KM"
 M1.4
                                 C2
"PULSE"
                               S_CUD
  + \vdash
                 + \vdash
               Q0.0
"AV-QR"
 M1.4
                                     CV - MW6
"PULSE"
                + \vdash
                           CD CV_BCD
 M1.3
 "SET"
  + \vdash
 M31.5
                     C#10 -PV
"ESTOP
COLI"
                          -R
  +
```

```
M31.5
"ESTOP COLI" M20.0 M20.1

MW4 -IN1
20 -IN2
M20.1
```

```
M1.0
"SUPPLY"
                                              Q0.1
"AV-KM"
                M20.1
                                M20.2
                                               \leftarrow
                                                Q0.1
                                                               Q4.4
                                               "AV-KM"
                                                             "ADD KM"
                                                + \vdash
                                                               ~>—
                                                               MO.4
                                                             "LSKM2_V"
                                                I4.5
                                                                \leftarrow
                                                Q8.2
                                             "PUMP KM"
                                               \leftarrow
```

```
Q8.0
"AGITATOR"
  M1.4
                                                   СЗ
"PULSE"
                                 M21.0
                                                 S_CUD
  + \vdash
                  + \vdash
 M1.4
                  Q0.1
                                                       CV - MW8
"PULSE"
                "AV-KM"
                  \dashv \vdash
                                             CD CV_BCD -
 M1.3
 "SET"
  + \vdash
 M31.5
                                      C#10 -PV
"ESTOP
COLI"
                                            -\mathbb{R}
  +
```

Network: 20

```
M31.5
"ESTOP COLI" M20.0 M20.2

MW4 -IN1
30 -IN2
M20.2
```

```
M1.0
"SUPPLY"
                                           Q8.0
"AGITATOR"
                M20.2
                               M21.0
                                              \leftarrow
                                              Q8.0
                                                             Q4.5
                                           "AGITATOR"
                                                          "BLEANDIN"
                                              + \vdash
                                                             <>
                                                              Т3
                                                            S_ODT
                                                                   Q |
                                              S5T#10S TV
                                                                  BI - MW45
                                                                 BCD -
```

```
M31.5
"ESTOP
COLI"
M20.0
M21.0

MW8 — IN1
10 — IN2
M21.0
```

Network: 23

```
M1.0
                                             Q8.3
"SUPPLY"
                                          "PUMP-MT"
               M20.0
                              M21.0
  + \vdash
                +/-
                                            \leftarrow
                                             Q0.2
                                           "AV-MT"
                                            \leftarrow
                                                           Q4.6
"PL7"
                                            Q8.3
                                          "PUMP-MT"
                                             +
                                                            <>─
                                            I4.7
                                                           M0.6
                                          "LSMT2 M"
                                                         "LSMT2_V"
                                            \dashv \vdash
                                                           <><u>−</u>
```

```
Q0.2
"AV-MT" CMP ==I M20.0

MW4 -IN1
0 -IN2
```

```
M0.1
"LSCW1_V"
 M1.0
                              Q0.3
                                                             Т1
"SUPPLY"
                              "AVCW"
                                                           S_ODT
  +
                               1/1-
                                                                  Q
                M0.0
                              Q0.3
                                               S5T#2S-TV
                                                                 BI
              "LSCW2_V"
                              "AVCW"
                + \vdash
                               1/1-
                                                                BCD
                M0.5
                               Q0.1
              "LSKM1_V"
                             "AV-KM"
                1/1-
                M0.4
                              Q0.1
              "LSKM2_V"
                             "AV-KM"
                               4/-
                + \vdash
                M0.3
                              Q0.0
             "LSQR1_V"
                             "AV-QR"
                 ₩<u></u>
              M0.2
"LSQR2_2"
                              Q0.0
                             "AV-QR"
                               1/1
                + \vdash
                M0.7
                               Q0.2
              "LSMT1_V"
                             "AV-MT"
                <del>-</del>
                               1/-
             M0.6
"LSMT2_V"
                             Q0.2
"AV-MT"
                               4/1-
                +\vdash
```

```
M31.5
"ESTOP "SYSTEM FAULT"

Q4.1
"SYSTEM FAULT"
```