## FC71 - <offline>

"GRAY\_TO\_dEC2"

Name: Family: Author: Version: 0.1 **Block version:** 2 11/03/2022 07:57:41 PM

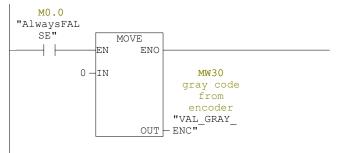
Time stamp Code: Interface: 09/27/2022 06:29:11 PM

Lengths (block/logic/data): 00370 00222 00000

Name	Data Type	Address	Comment
IN		0.0	
OUT		0.0	
IN_OUT		0.0	
TEMP		0.0	
RETURN		0.0	
RET VAL		0.0	

Block: FC71

## Network: 1



Network: 2 ====Encoder decrypted======

Network: 3 Z axis encoder bits

```
M31.0
                                       Z axis
                                      encoder
I15.0
                                       bit 1
"BQ1:1"
                                       "Bit_1"
                                        <>>
```

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```
Network: 4
                 Z axis encoder bit 2
                                           M31.1
                                          Z axis
                                          encoder
    I15.1
                                          bit 2
   "BQ1:3"
                                          "Bit_2"
    + \vdash
                                           ~>—
Network: 5
                                          M31.2
                                          Z axis
                                          encoder
   I15.2
                                          bit 3
   "BQ1:5"
                                          "Bit_3"
    +
                                           \leftarrow
Network: 6
                                          M31.3
                                          Z axis
                                          encoder
   I15.3
                                          bit 4
   "BQ1:7"
                                          "Bit_4"
    +
                                           \leftarrow
Network: 7
                                          M31.4
                                          Z axis
                                          encoder
   I15.4
                                          bit 5
                                          "Bit 5"
   "BQ1:9"
                                           —( )—
    \dashv \vdash
Network: 8
                                          M31.5
                                          Z axis
                                          encoder
   I15.5
                                          bit 6
  "BQ1:11"
                                          "Bit_6"
                                           <><u>−</u>
```

```
Network: 9
                                             M31.6
                                            Z axis
                                            encoder
    I15.6
                                            bit 7
  "BQ1:13"
                                            "Bit_7"
     + \vdash
                                              ~>—
Network: 10
                                            M31.7
                                            Z axis
                                            encoder
   I15.7
                                            bit 8
  "BQ1:15"
                                            "Bit_8"
                                             \leftarrow
Network: 11
                                            M30.0
                                            Z axis
                                            encoder
   I14.0
                                            bit 9
  "BQ1:17"
                                            "Bit_9"
    +
                                             \leftarrow
Network: 12
                                            M30.1
                                            Z axis
                                            encoder
   I14.1
                                            bit 10
  "BQ1:19"
                                            "Bit 10"
                                             ~<u>-</u>
    + +
Network: 13
                  Z axis encoder bit 11
                                            M30.2
                                            Z axis
                                            encoder
                                           bit 11
"Bit_11"
   I14.2
  "BQ1:20"
                                              \overline{\leftarrow}
     + \vdash
```

```
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```

```
_____
Network: 14
Network: 15
                 BIT 11
                                           M32.3
                                         used for
                                          MW28/32
   M30.3
                                         transfer
   Z axis
                                           - enc
  encoder
                                          reading
   bit 12
                                        "reserved
  "Bit 12"
                                           1 4"
                                            -
-< >-
    +
Network: 16
                 BIT 10
                M32.3
                                          M32.2
               used for
                                         used for
               MW28/32
                                          MW28/32
   M30.2
               transfer
                                          transfer
   Z axis
                 - enc
                                           - enc
  encoder
                reading
                                          reading
                                        "reserved
              "reserved
   bit 11
                                           1_3"
—()—
  "Bit_11"
                 1_4"
                 1/1
                 M32.3
               used for
               MW28/32
   M30.2
               transfer
   Z axis
                - enc
  encoder
                reading
              "reserved
   bit 11
  "Bit 11"
                 1 4"
Network: 17
                 BIT 9
                                       M32.1
               M32.2
              used for
                                      used for
              MW28/32
                                      MW28/32
   M30.1
              transfer
                                      transfer
   Z axis
               - enc
                                       - enc
  encoder
              reading
                                      reading
   bit 10
             "reserved
                                     "reserved
  "Bit 10"
               1_3"
                                       1_2"
                                        ₹>-
               M32.2
              used for
              MW28/32
   M30.1
              transfer
   Z axis
               - enc
  encoder
              reading
             "reserved
1_3"
  bit 10
  "Bit_10"
```

```
Network: 18
                 BIT 8
                 M32.1
                                             M32.0
                used for
                                           used for
                MW28/32
                                            MW28/32
   M30.0
                transfer
                                           transfer
   Z axis
                 - enc
                                             - enc
   encoder
                reading
                                            reading
   bit 9
              "reserved
                                          "reserved
   "Bit_9"
                 1 2"
                                             1_1"
                   1/1
                                              ( )-
                 M32.1
                used for
                MW28/32
   M30.0
                transfer
   Z axis
                 - enc
   encoder
                reading
   bit 9
              "reserved
   "Bit 9"
                 1 2"
                  \bar{+} \vdash
Network: 19
                 BIT 7
                 M32.0
                                            M33.7
                used for
                                           used for
                                            MW28/32
                MW28/32
   M31.7
                transfer
                                           transfer
   Z axis
                 - enc
                                             - enc
   encoder
                reading
                                            reading
                                          "reserved
   bit 8
               "reserved
   "Bit_8"
                 1_1"
                                            1_16"
                                              _
-< >-
                 M32.0
                used for
                MW28/32
   M31.7
                transfer
   Z axis
                 - enc
   encoder
                reading
   bit 8
              "reserved
                 1_1"
   "Bit_8"
Network: 20
                  BIT 6
                M33.7
                                          M33.6
               used for
                                         used for
               MW28/32
                                         MW28/32
   M31.6
               transfer
                                         transfer
   Z axis
                 - enc
                                           - enc
   encoder
                reading
                                          reading
   bit 7
              "reserved
                                        "reserved
                                          1_15"
   "Bit 7"
                1 16"
     4 F
                 \dashv \land
                м33.7
               used for
               MW28/32
   M31.6
               transfer
   Z axis
                - enc
  encoder
                reading
   bit 7
              "reserved
   "Bit_7"
                1_16"
```

```
Network: 21
                 BIT 5
                 M33.6
                                           M33.5
               used for
                                         used for
               MW28/32
                                          MW28/32
   M31.5
               transfer
                                         transfer
   Z axis
                - enc
                                           - enc
   encoder
                reading
                                          reading
   bit 6
              "reserved
                                        "reserved
                                          1_14"
   "Bit_6"
                1 15"
                                            ( )-
                M33.6
               used for
               MW28/32
   M31.5
               transfer
   Z axis
                 - enc
  encoder
                reading
```

```
Network: 22 BIT 4
```

"reserved

1 15"

+

bit 6

"Bit 6"

1/1-

```
M33.5
                                        M33.4
            used for
                                       used for
                                       MW28/32
             MW28/32
M31.4
            transfer
                                       transfer
Z axis
              - enc
                                        - enc
encoder
             reading
                                        reading
bit 5
                                      "reserved
           "reserved
"Bit_5"
             1_14"
                                        1_13"
                                         _
-< >-
              M33.5
            used for
            MW28/32
M31.4
            transfer
Z axis
              - enc
encoder
             reading
bit 5
           "reserved
"Bit_5"
             1_14"
```

```
Network: 23 BIT 3
```

```
M33.4
                                        M33.3
            used for
                                      used for
            MW28/32
                                       MW28/32
M31.3
            transfer
                                       transfer
Z axis
              - enc
                                        - enc
encoder
             reading
                                       reading
 bit 4
           "reserved
                                     "reserved
                                        1_12"
"Bit 4"
             1 13"
              -1/1-
  +
              M33.4
            used for
            MW28/32
 M31.3
            transfer
Z axis
              - enc
encoder
             reading
bit 4
           "reserved
"Bit_4"
             1_13"
 +/1
```

"reserved

1\_10"

"Bit\_1"

+/+

```
Network: 24
                 BIT 2
                                            M33.2
                 M33.3
                used for
                                           used for
                MW28/32
                                           MW28/32
   M31.2
                transfer
                                           transfer
   Z axis
                 - enc
                                            - enc
   encoder
                reading
                                            reading
   bit 3
              "reserved
                                         "reserved
                                            1_11"
   "Bit 3"
                 1 12"
                                             ( )-
                 м33.3
                used for MW28/32
   M31.2
                transfer
   Z axis
                 - enc
   encoder
                reading
   bit 3
              "reserved
   "Bit 3"
                 1 12"
     1/-
                  +
Network: 25
                 BIT 1
                 M33.2
                                            M33.1
                used for
                                           used for
                                           MW28/32
                MW28/32
   M31.1
                transfer
                                           transfer
   Z axis
                 - enc
                                            - enc
   encoder
                reading
                                            reading
   bit 2
                                         "reserved
               "reserved
   "Bit 2"
                                            1_10"
                 1_11"
                                             _
-< >-
                 M33.2
                used for
                MW28/32
   M31.1
                transfer
   Z axis
                 - enc
   encoder
                reading
   bit 2
              "reserved
   "Bit_2"
                 1_11"
Network: 26
                  BIT 0
                M33.1
                                          M33.0
               used for
                                         used for
               MW28/32
                                         MW28/32
   M31.0
               transfer
                                         transfer
   Z axis
                - enc
                                          - enc
   encoder
               reading
                                         reading
   bit 1
              "reserved
                                        "reserved
                                          1_9"
   "Bit 1"
                1 10"
    +
                 \dashv \land
                M33.1
               used for
               MW28/32
   M31.0
               transfer
   Z axis
                - enc
  encoder
               reading
   bit 1
```

Network: 27

