SIMATIC 300\CPU 315\...\FC55 - <offline>

FC55 - <offline>

"FC_FAULT_MESS"

SIMATIC

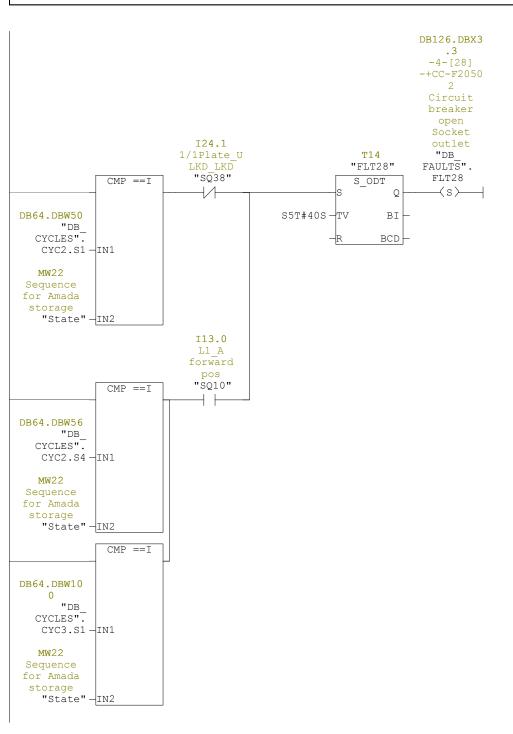
Name: Family: Author: Version: 0.1

Name	Data Type	Address	Comment
IN		0.0	
OUT		0.0	
IN_OUT		0.0	
TEMP		0.0	
Zero	Byte	0.0	
RETVAL	Int	2.0	
RETURN		0.0	
RET_VAL		0.0	

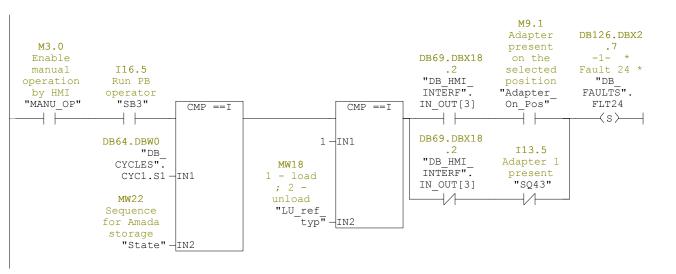
Block: FC55

```
Network: 1
                  Impuls reset alarms
                                                                           M9.5
                                                                          Fault
                                               T21
                                                                         prior 3
                                              Impuls
                                                            M2.3
                                                                         (Stop at
                                                           General
                                                                         the end
                                              reset
    M2.4
                                                            Fault
                                              alarms
                                                                          of the
    "HMI
                                                                          cycle)
"FLT3"
                                              "t 21"
                                                            Reset
 RESET FLT"
                                                            "RESET"
                                             S PEXT
                                                                                                       MOVE
                                                     Q
                                                             <del>(</del>#)-
                                                                                                   ΕN
                                                                                                           ENO
     M0.1
                  M150.3
                                                                           M8.1
                                                    ΒI
                               S5T#200MS-TV
                                                                                                0 - IN
                                                                                                                    #Zero
 "AlwaysTRU
E"
                "RST_
ALARM_P"
                                                                       "MAN_CYC_
                                                                                                           OUT - #Zero
                                                  BCD
                                                                                                                                    1.A
                   (P)
    M0.0
 "AlwaysFAL
     SE"
                 CMP <>I
    MW210
       "test
       ob82"-IN1
            0 -IN2
                                   SFC21
                                Initialize a
                                Memory Area
                                   "FILL"
                           ΕN
                                                ENO
                #Zero
                                                         #RETVAL
                   #Zero BVAL
                                           RET_VAL
                                                     - #RETVAL
1.A
                                                      P#DB126.
                                                      DBX0.0
                                                BLK - BYTE 18
```

```
Network: 2 -1-[2] - Home position not reached! Return machine to home in
```



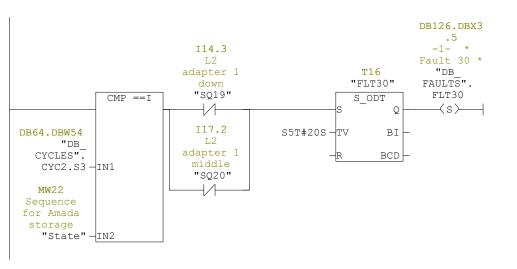
```
DB126.DBX3
                                                            . 4
                                                          -4-[29]
                                                         PROFINET-I
                               I24.0
                                                          O fault
                                                          "DB_
                            1/1PlateDo
                                              T15
                              wn LKD
                                            "FLT29"
                                                         FAULT\overline{S}".
                               "s\u00a737"
                                                          FLT29
               CMP ==I
                                             S ODT
                                                           -(s)--
                                                    Q
DB64.DBW52
                                S5T#15S-TV
                                                  ΒI
  "DB_CYCLES".
                                                 BCD -
   CYC2.S2 -IN1
   MW22
 Sequence
for Amada
 storage
   "State" -IN2
```

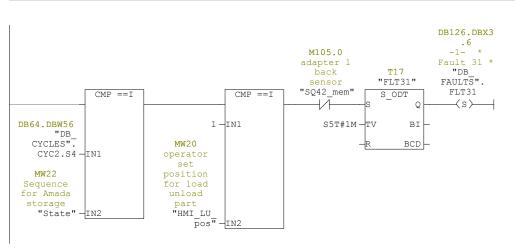



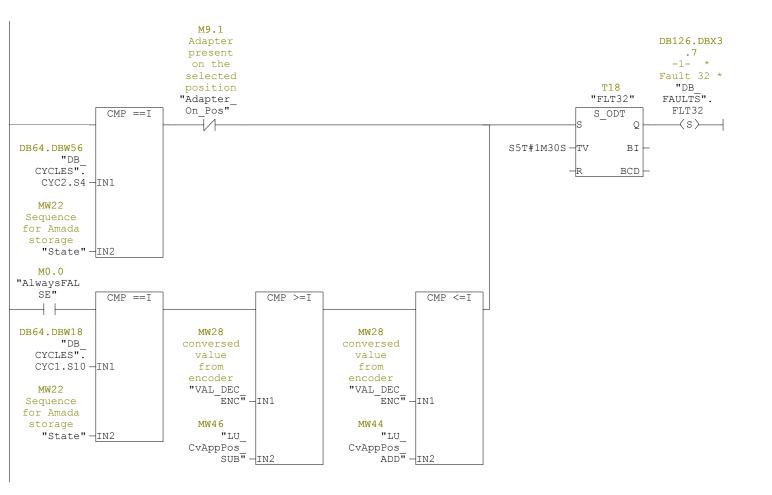
```
Network: 6 -1- * Fault 23 *
```

```
M9.1
                                                                                                 DB126.DBX2
                                                                                     Adapter
                                                                                                    .6
-1- *
  M3.0
                                                                                     present
 Enable
                                                                     DB69.DBX18
                                                                                     on the
                                                                                                  Fault 23 *
               I16.5
                                                                        .2
 manual
                                                                                     selected
                                                                      "DB HMI_
                                                                                                    "DB
operation
                                                                                    position
               Run PB
                                                                                                  \mathtt{FAULT}\overline{\mathtt{S}}".
                                                                                    "Adapter_
On_Pos"
 by HMI
              operator
                                                                      INTERF".
"MANU OP"
                "SB3"
                                                                      IN OUT[3]
                                                                                                    FLT23
                            CMP ==I
                                                         CMP ==I
                                                                                                     (s)
                                                                      DB69.DBX18
              DB64.DBW0
                                                    2 -IN1
                                                                        . 2
                                                                                      I13.5
                   "DB
                                                                      "DB HMI_
                                                                                    Adapter 1
                CYCLES".
                                            MW18
                                                                      INTERF".
                                                                                     present
                CYC1.S1 -IN1
                                          1 - load
                                                                      IN OUT[3]
                                                                                      "SQ43"
                                           ; 2 -
                                                                         +\Lambda
                MW22
                                           unload
                                            "LU_ref
              Sequence
                                                typ"-IN2
              for Amada
              storage
                 "State" -IN2
```

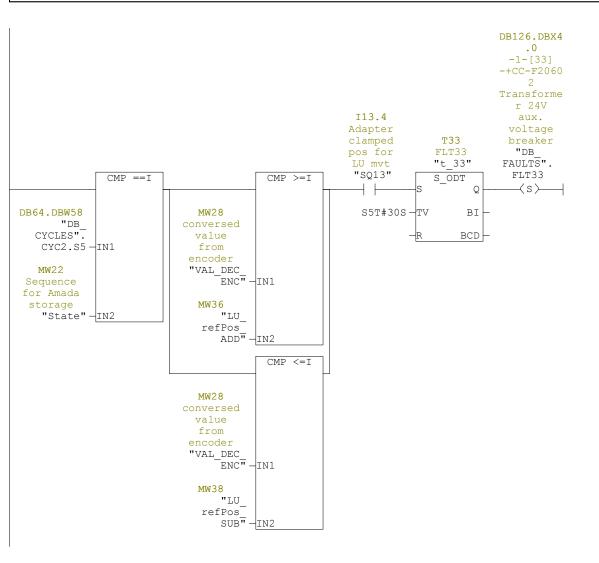
```
Network: 7 -4-[29] - PROFINET-IO fault
```







Network: 10 -1-[33] -+CC-F20602 Transformer 24V aux. voltage breaker



Network: 11 -1-[33] -+CC-F20602 Transformer 24V aux. voltage breaker

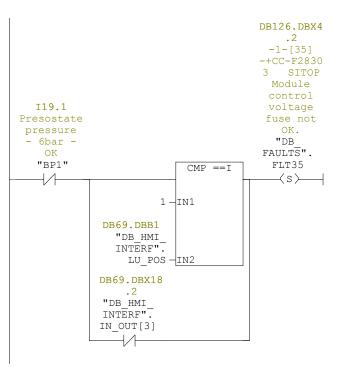
```
DB126.DBX4
                                                                  .1
-1-[34]
                                                                -+CC-F2810
                                                                 3 SITOP
                                                                  Module
                                                                  control
                                                                  voltage
                            I13.1
                                                                 fuse not
                            L1 A
                                                       T34
                                                                   OK.
                                                                   "DB_
                          backward
                                                      FLT34
                                                      "t_34"
                                                                 FAULTS".
                             pos
                            "SQ11"
              CMP ==I
                                                      S_ODT
                                                                  FLT34
                                                                   -(s)---
                                                            Q
                            I13.0
DB64.DBW60
                                          S5T#40S-TV
                                                           BI
    "DB_
                            L1_A
                           forward
  CYCLES".
                                                          BCD -
                             pos
   CYC2.S6 -IN1
                            "SQ10"
  MW22
Sequence
for Amada
 storage
   "State" -IN2
              CMP ==I
DB64.DBW11
    0
     "DB
  CACTES...
   CYC3.S6-IN1
  MW22
Sequence
for Amada
 storage
   "State" -IN2
                            I24.1
                          1/1Plate U
                           LKD LKD
                            "SQ38"
              CMP ==I
DB64.DBW10
   4
"DB_
  CYCLES".
   CYC3.S3-IN1
  MW22
Sequence
for Amada
 storage
   "State" -IN2
```

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Network: 12 movement Z count

```
Q24.6
                                                                     DB126.DBX5
                             Lifter 1
                                                                       .6
-1- *
                                                           C1
                              Z down
                                                                      Fault 47 *
                             motor ON
                                                         movement
   M0.0
                 M8.1
                                                         Z count
                                                                       "DB
                              - KA9
                             "L1_Z_
Down"
                                                          "c_1"
                                                                      FAULTS".
"AlwaysFAL
              "MAN_CYC_
   SE"
                 o∏"
                                                          S_CU
                                                                      FLT47
                                                                       —(s)——
                              \dashv \vdash
                              Q24.5
                                             M0.0
                             Lifter 1
                                          "AlwaysFAL
                              Z up
                                             SE"-S
                                                               cv -
                             motor ON
                              - KA8
                                            MW102
                                                           CV_BCD -
                             "L1 Z Up"
                                          "tst12345" -PV
                               \dashv \vdash
  Q24.6
 Lifter 1
  Z down
 motor ON
  - KA9
  "L1_Z_
Down"
  -1/1-
  Q24.5
 Lifter 1
   Z up
 motor ON
  - KA8
 "L1_Z_Up"
   -<del>-</del>---
```

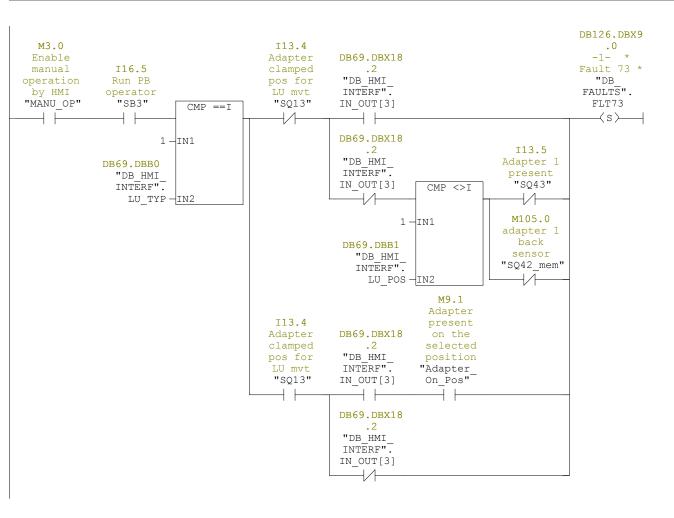
Network: 13 -1-[35] -+CC-F28303 SITOP Module control voltage fuse not OK.



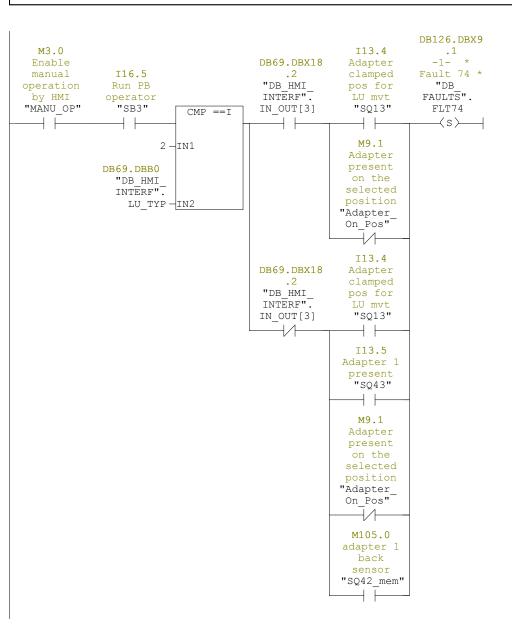
Network: 14 -1- * Fault 105 *

```
DB126.DBX1
                                                          3.0
-1- *
Fault 105
  M3.0
                Q24.5
 Enable
               Lifter 1
                                           DB69.DBX8.
               Z up
                                             0
 manual
                                            "DB_HMI_
INTERF".
               motor ON
                                                             "DB
operation
                                                          \mathtt{FAULT}\overline{\mathtt{S}}" .
 by HMI
                - KA8
"MANU OP"
              "L1_Z_Up"
                                          MOV_SEL[1]
                                                          FLT105
                              CMP >=I
                                                             ~s>—
                  + \vdash
                 MW28
              conversed
                value
                from
                encoder
                "VAL DEC
                    ENC" -IN1
                 MW36
                     "LU_
                  refPos_
ADD" -IN2
                Q24.6
               Lifter 1
                Z down
               motor ON
                - KA9
               "L1_Z_
Down"
                              CMP <=I
                 MW28
              conversed
                value
                from
                encoder
               "VAL_DEC_
ENC" -IN1
                 MW38
"LU_
                  refPos_
SUB" -IN2
```

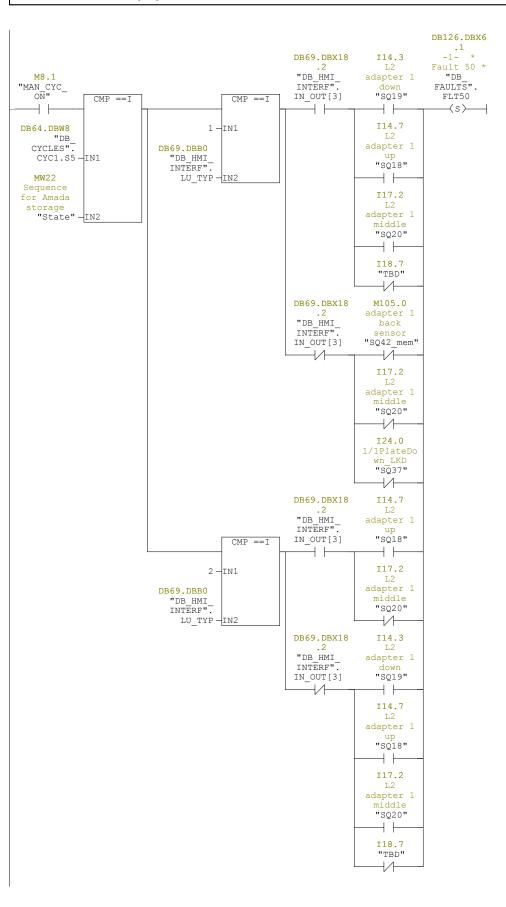
Network: 15 -1- * Fault 73 *



Network: 16 -1- * Fault 74 *



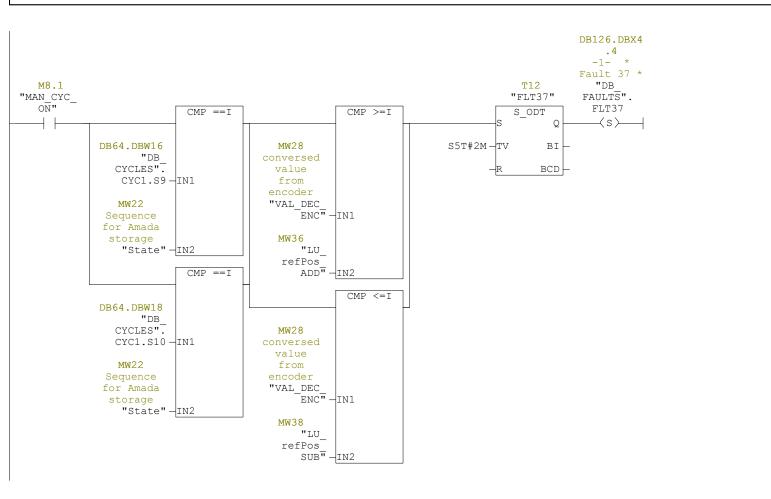
Network: 17 -1-[11] - Insurubare tool 2 NOK



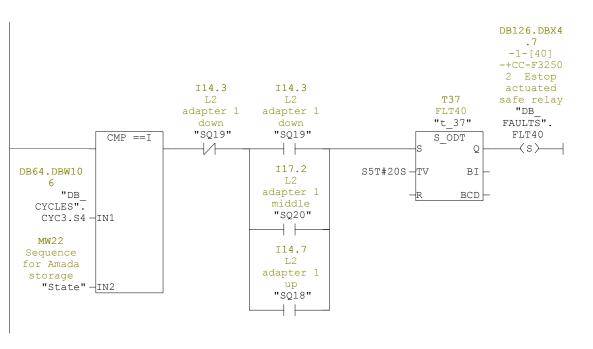
Network: 18 -1-[36] -+CC-F28903 SITOP Module control voltage fuse not OK.

```
DB126.DBX4
                                                       .3
                                                     -1-[36]
                                                    -+CC-F2890
                                                    3 SITOP
                                                      Module
                                                     control
                                                     voltage
                                         I13.1
                                                     fuse not
                                          L1 A
                                                       OK.
   M8.1
                                        backward
                                                      "DB
"MAN_CYC_
ON"
                                          pos
                                                    FAULTS".
                                         "SQ11"
                                                      FLT36
                           CMP ==I
                                          +
                                                       √s>
                                         I13.0
             DB64.DBW16
                  "DB_
                                          L1_A
               CYCLES".
                                        forward
                                          pos
                CYC1.S9 -IN1
                                         "SQ10"
                                          1/1-
               MW22
              Sequence
                                         124.1
             for Amada
                                       1/1Plate U
              storage
                                        LKD_LKD
                "State"-IN2
                                         "SQ38"
                           CMP ==I
                                          +
                                         I13.3
                                        Distance
             DB64.DBW18
                   "DB_
                                         where
                                        table is
               CYCLES".
                                        allowed
               CYC1.S10 -IN1
                                        to speed
                                          up
"B1"
               MW22
             Sequence
             for Amada
              storage
                "State"-IN2
                            I13.1
                                         I13.0
  I16.5
                            L1_A
                                          L1_A
 Run PB
                           backward
                                        forward
 operator
                             pos
                                          pos
   "SB3"
                            "SQ11"
                                         "SQ10"
              CMP ==I
                             +
DB64.DBW0
      "DB
  CYCLES".
   CYC1.S1 -IN1
  MW22
Sequence
for Amada
 storage
   "State"-IN2
```

Network: 19 -1- * Fault 37 *



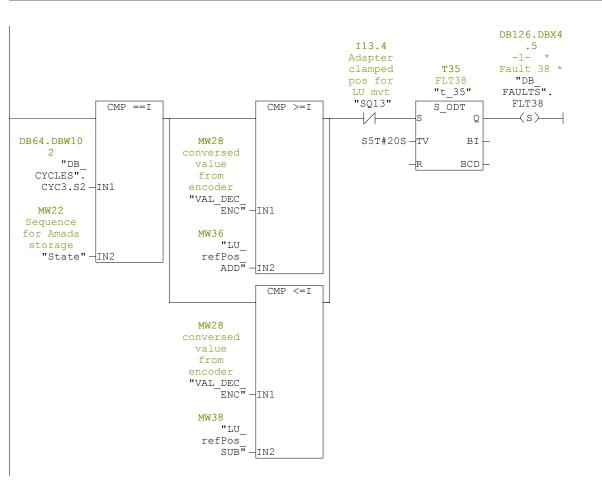
Network: 20 -1-[12] - Insurubare tool 3 NOK



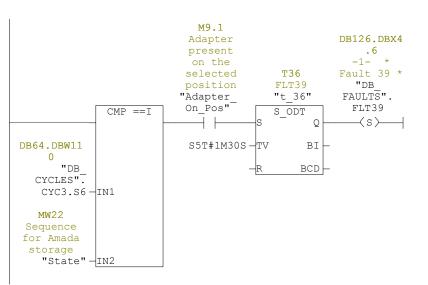
```
Network: 21 -1-[51] -SS Prezenta surub in surubelnita neconform
```

```
DB126.DBX6
.2
-1- *
Fault 51 *
"DB
"AlwaysFAL
SE"
FLT51
(S)
```

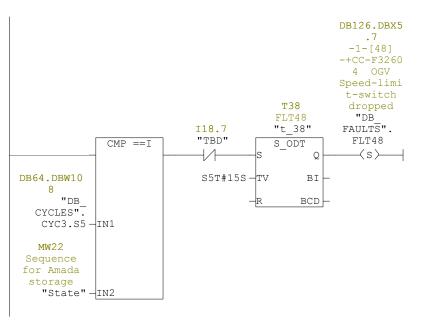
Network: 22 TIMEOUT Z AXIS - not moving



```
Network: 23 FLT39
```



Network: 24 FLT48



Network: 25 -1-[52] -SS Griper in pozitia deschis timp depasit

```
DB126.DBX6
  M3.0
                                 I24.3
                                                                .3
-1- *
                                 Lifter
 Enable
                                                              Fault 52 *
                                                  T10
                                 cover
 manual
                                                                 "DB
                  M8.0
operation
                              protection
                                                 FLT52
                                                              \mathtt{FAULT}\overline{\mathtt{S}}" .
                "START_
                                                 "t 10"
 by HMI
                               activated
"SQ40"
                 CYC"
"MANU_OP"
                                                                FLT52
                                                 S_ODT
 \dashv \bar{\vdash}
                  +
                                                                 (s)—
                                                        0
                                    S5T#5S-TV
                                                       ΒI
                                                      BCD
```

BCD -

```
Network: 26
                FLT52
                                        DB126.DBX6
                I24.3
                                        .4
-3- *
Fault 53 *
                Lifter
                cover
                                          "DB
    M8.1
                             FLT52
              protection
 "MAN_CYC_
                                        FAULT\overline{\mathtt{S}}".
                             "t_10"
              activated
    ON"
                "SQ40"
                                        FLT53
                             S ODT
                 1/1-
                                          —(s)——
                 S5T#10S -TV
                                  BI -
                                 BCD -
                -1- * Fault 54 *
Network: 27
                                        DB126.DBX6
                                         .5
-3- *
                                        Fault 54 *
    M0.0
                                         "DB
                                        FAULT\overline{S}".
 "AlwaysFAL
    SE"
                                         FLT54
                                          —(s)——
Network: 28
                 -1- * Fault 55 *
                                        DB126.DBX6
                                       .6
-1- *
                Q25.0
                            Q24.7
               Inverter
                            Inverter
   I25.7
               KEB max.
                             KEB
                                        Fault 55 *
                                         "DB_
   Lifter
              speed bit
                            slowdown
                                        FAULTS".
  inv. sig.
               - CP12
                           bit - CP11
   "U1:X3"
                "KA11"
                            "KA10"
                                        FLT55
                                           <s>→
Network: 29
                -1-[43]
                         -+TS-S32006 Estop actuated
                                        DB126.DBX5
                                           . 2
                                         -1-[43]
    M0.5
                                        -+TS-S3200
  Circuit
                                        6 Estop
  breaker
                 T31
                                         actuated
  feedback
                FLT43
                                         "DB
                                        FAULT\overline{S}".
    ok
                "t 31"
  "CB FB OK"
                                         FLT43
                S_ODT
                                         —(s)——
                      Q
  S5T#100MS-TV
                     BI
```

Lifter_Amada\
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```
Network: 30
                  -1-[44]
                            -+L-S32011
                                          Estop actuated
                                            DB126.DBX5
                                               .3
                                             -1-[44]
                                            -+L-S32011
                                              Estop
                  125.7
                                             actuated
                                              "DB_
    M0.1
                 Lifter
                                            \mathtt{FAULT}\overline{\mathtt{S}}" .
"AlwaysTRU
                inv. sig.
    Ε"
                 "U1:X3"
                                              FLT44
                                              ~s>—
```

```
DB126.DBX1
2.1
```

```
DB126.DBX1
                                                                3.4
-1- *
                           I13.1
                                       I13.0
                                                  DB69.DBX8.
                                                               Fault 109
                           L1 A
                                        L1 A
                                                   0
                                                  "DB_HMI_
INTERF".
                                       forward
                                                                 "DB
                         backward
                                                               FAULTS".
                           pos
                                        pos
                           "SQ11"
                                       "SQ10"
                                                 MOV_SEL[1]
                                                               FLT109
             CMP <=I
                                                                —(s)—
  MW28
conversed
 value
 from
 encoder
 "VAL_DEC
     ENC" IN1
 MW54
"LU_
CvAppPos_
MIN" -IN2
             CMP >=I
  MW28
conversed
 value
  from
 encoder
 "VAL_DEC
     -ENC"-IN1
  MW56
"LU_CvPos_
    MAX" -IN2
```