

- 1、当发生闪断故障时，司机室直接会有相应的报警信息，司机必须复位按钮后相应故障报警信息才消失；可以第一时间通知我们；上车后直接查看最新的报警即可；
- 2、利用FB1块，大大减少了中间变量的个数和工作时间；
- 3、故障信号闪断时间最短为PLC一个扫描周期；

T200
GC Enable
Fault
sensing
from
Station
= 12.M
ET 3
辅助配电系
统 +11F22
"T 200"

I0.7
CB For
Exterior
Power
"12.M-F47"

DB3
FB1
"Fault Block"

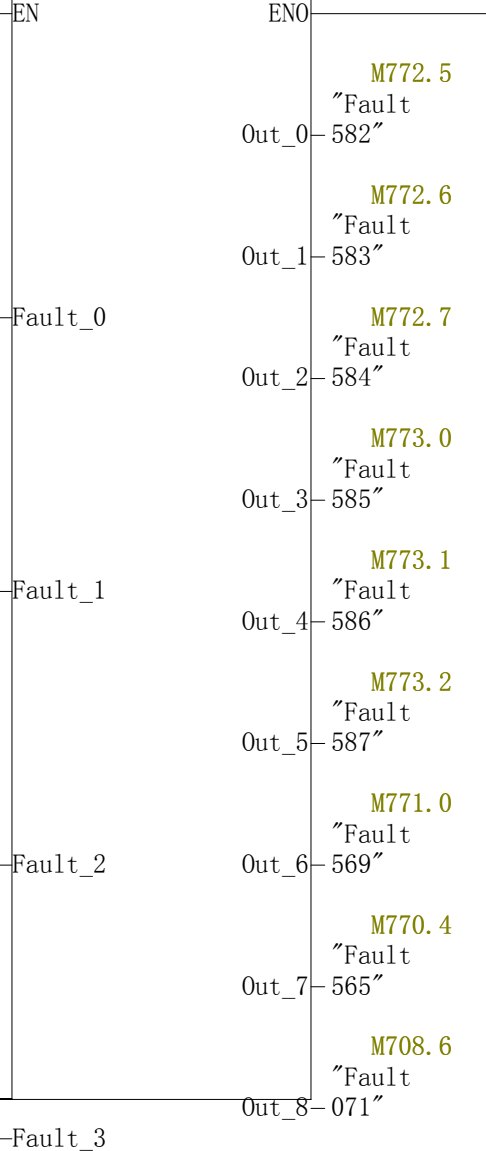
I15.0
Emergency
Stop
Button
for PLC
Cubicle
"SE1-
11FA90"

I15.1
Emergency
Stop
Button
for 1#
E-house
"SE1-11"

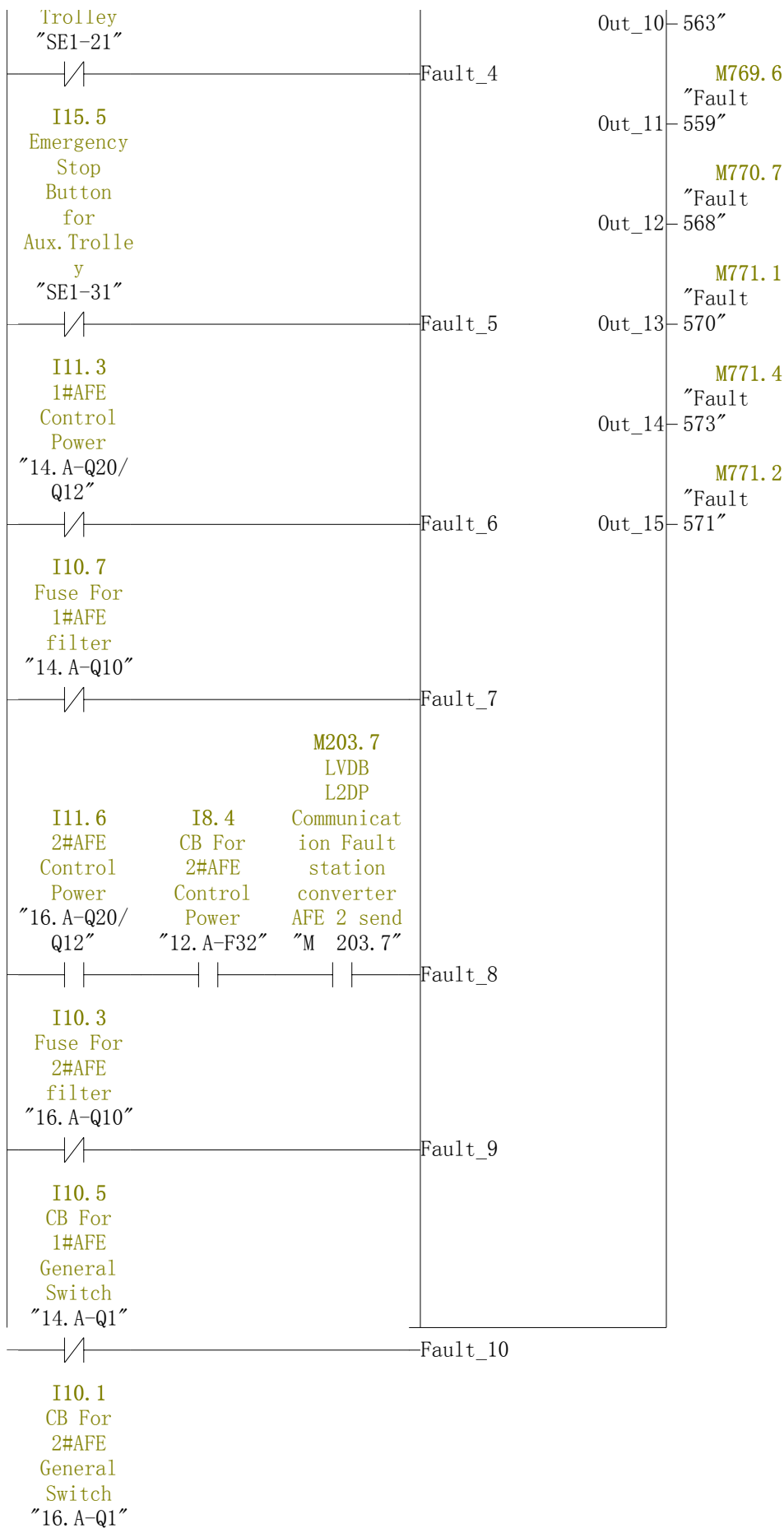
I15.2
Emergency
Stop
Button
for 2#
E-house
"SE1-12"

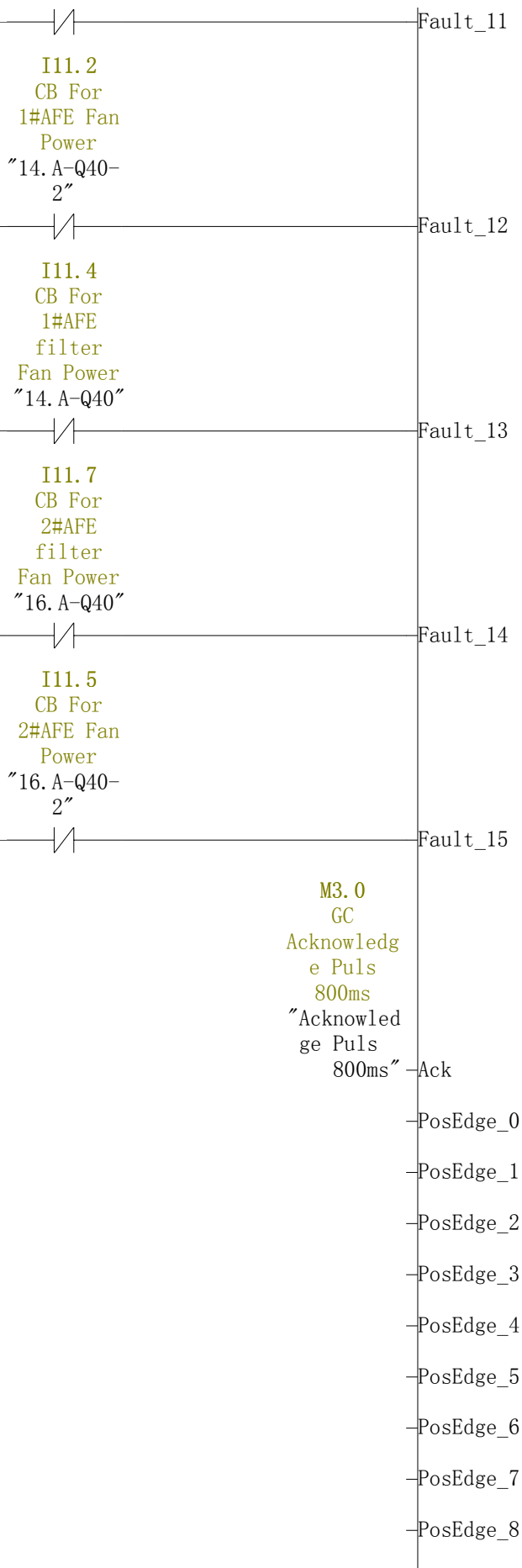
I15.3
Emergency
Stop
Button
for Cabin
"SE1-
71FP11"

I15.4
Emergency
Stop
Button
for Main
"SE1-
71FP11"



M772.5
"Fault
Out_0-582"
M772.6
"Fault
Out_1-583"
M772.7
"Fault
Out_2-584"
M773.0
"Fault
Out_3-585"
M773.1
"Fault
Out_4-586"
M773.2
"Fault
Out_5-587"
M771.0
"Fault
Out_6-569"
M770.4
"Fault
Out_7-565"
M708.6
"Fault
Out_8-071"
M770.0
"Fault
Out_9-561"
M770.2
"Fault





-PosEdge_9
PosEdge_
-10
PosEdge_
-11
PosEdge_
-12
PosEdge_
-13
PosEdge_
-14
PosEdge_
-15
-AckMem_0
-AckMem_1
-AckMem_2
-AckMem_3
-AckMem_4
-AckMem_5
-AckMem_6
-AckMem_7
-AckMem_8
-AckMem_9
-AckMem_10
-AckMem_11
-AckMem_12
-AckMem_13
-AckMem_14
-AckMem_15

DB4

FB1
"Fault Block"

EN

ENO

M105.0
20. C-K01
on fault
"M 105.0"

-Fault_0

Out_0

M715.4
"Fault
125"

M105.1
20. C-K01
off fault
"M 105.1"

-Fault_1

Out_1

M715.5
"Fault
126"

M65.4
Main
hoist 1
Brakeconta
ctor -K71
on failure
"M 65.4"

-Fault_2

Out_2

M716.1
"Fault
130"

M65.5
Main
hoist 1
Brakeconta
ctor -K71
off
failure
"M 65.5"

-Fault_3

Out_4

M716.2
"Fault
131"

M35.4
Main
hoist 2
Brake
contactor
-K72 on
failure
"M 35.4"

-Fault_4

Out_5

M716.3
"Fault
132"

M35.5
Main
hoist 2
Brake
contactor
-K72 off
failure
"M 35.5"

-Fault_5

Out_6

M716.4
"Fault
133"

M46.6
40. C-K03
on fault
"M 46.6"

-Fault_6

Out_7

M724.5
"Fault
198"

Out_8

M724.6
"Fault
199"

Out_9

M706.3
"Fault
052"

Out_10

M706.4
"Fault
053"

Out_11

M709.2
"Fault
075"

M709.3
"Fault
076"

DB600.


M46.7
40. C-K03
off fault
"M 46.7" -Fault_7

M231.2
14. A-Q1
on fault
"M 231.2" -Fault_8


M231.3
14. A-Q1
off fault
"M 231.3" -Fault_9

M231.4
16. A-Q1
on fault
"M 231.4" -Fault_10

M231.5
16. A-Q1
off fault
"M 231.5" -Fault_11
I78.0
Fuse For
1# AFE
"21. A-F1/
F2"

 -Fault_12

I78.4
Fuse For
1# AFE
"22. A-F1/
F2"

 -Fault_13

I10.0
CB For
AFE
Switchover
Switch
"15. A-F1/
F2" -Fault_14

M45.0
Aux.
Hoist
Brakeconta
ctor -K72
on failure
"M 45.0" -Fault_15

M3.0
GC
Acknowledg
e Puls
800ms
"Acknowled
ge Puls

Out_12-DBX396.0

Out_13-DBX396.4

Out_14-DBX396.2

Out_15-203"
M725.2
"Fault

800ms" -Ack

-PosEdge_0

-PosEdge_1

-PosEdge_2

-PosEdge_3

-PosEdge_4

-PosEdge_5

-PosEdge_6

-PosEdge_7

-PosEdge_8

-PosEdge_9

PosEdge_

-10

PosEdge_

-11

PosEdge_

-12

PosEdge_

-13

PosEdge_

-14

PosEdge_

-15

-AckMem_0

-AckMem_1

-AckMem_2

-AckMem_3

-AckMem_4

-AckMem_5

-AckMem_6

-AckMem_7

-AckMem_8

-AckMem_9

-AckMem_10

-AckMem_11

-AckMem_12

-AckMem_13

-AckMem_14

-AckMem_15

T204
GC Enable
Fault
sensing
from
Station
= 10.M
ET 7
1/插座?涑纜
+11F20
+11F20
"T 204"

I22.4
MCB For
Auxiliary
"10.A-Q1"

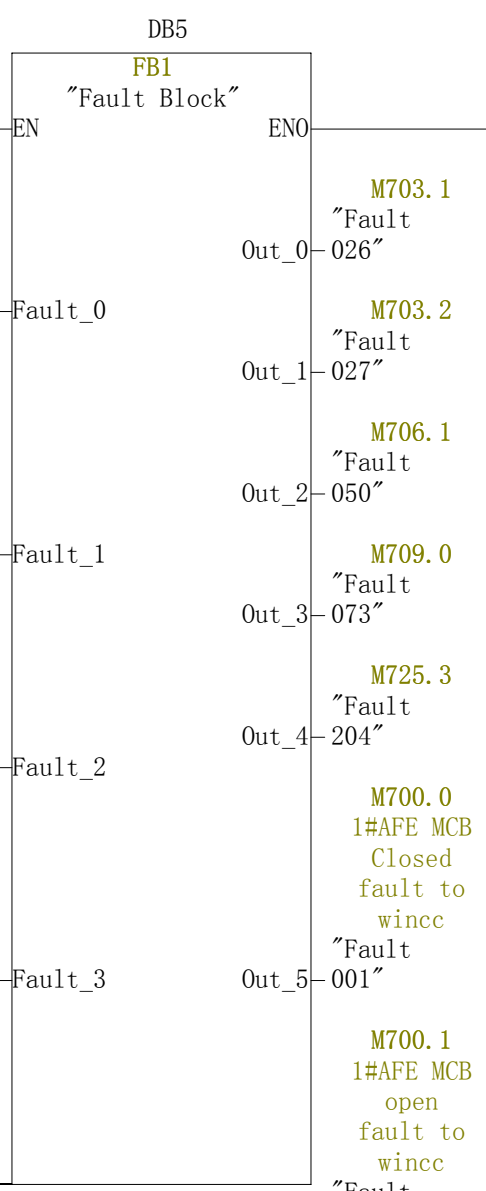
I22.5
CB For
Auxiliary
/Control
system
"10.A-Q3"

M212.5
AFE1
Communicat
ion Fault
station 14
"M 212.5"

M212.7
AFE2
Communicat
ion Fault
station 16
"M 212.7"

M45.1
Aux.
Hoist
Brakeconta
ctor -K72
off
failure
"M 45.1"

M232.2
12.C-K20
on fault
"M 232.2"



M703.1
"Fault
Out_0-026"

M703.2
"Fault
Out_1-027"

M706.1
"Fault
Out_2-050"

M709.0
"Fault
Out_3-073"

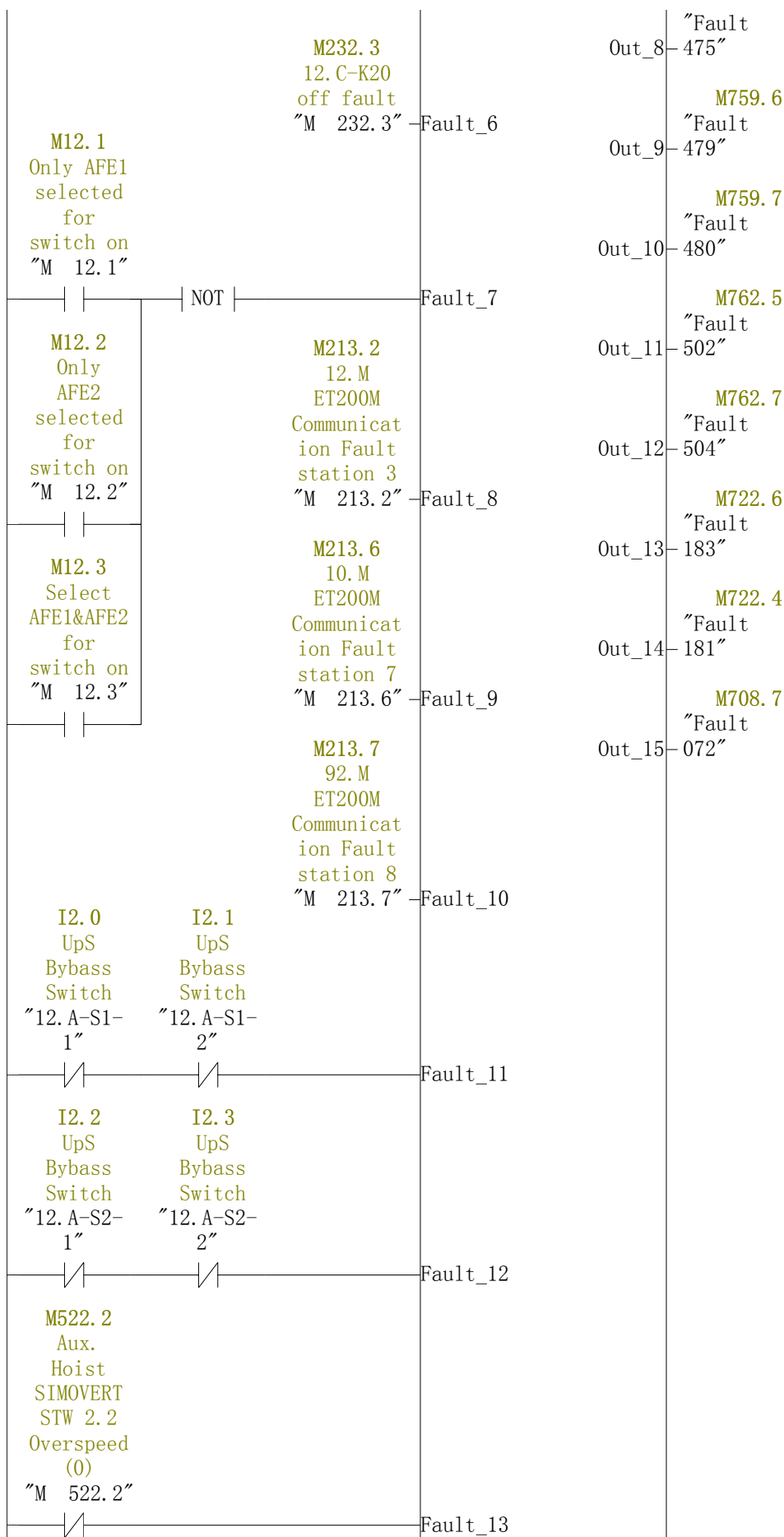
M725.3
"Fault
Out_4-204"

M700.0
1#AFE MCB
Closed
fault to
wincc
"Fault
Out_5-001"

M700.1
1#AFE MCB
open
fault to
wincc
"Fault
Out_6-002"

M774.2
"Fault
Out_7-595"

M759.2



M521.0
Aux.
Hoist
SIMOVERT
STW 1.8
No
setpoint/actual
value
deviation
detected
"M 521.0"

Fault_14

M201.7
LVDB
L2DP
Communication
Fault
station
converter
AFE 2
receive
"M 201.7"

I8.4
CB For
2#AFE
Control
Power
"12. A-F32"

I11.6
2#AFE
Control
Power
"16. A-Q20/
Q12"

Fault_15

M3.0
GC
Acknowledge
Pulse
800ms
"Acknowledge
Pulse
800ms"

Ack

PosEdge_0

PosEdge_1

PosEdge_2

PosEdge_3

PosEdge_4

PosEdge_5

PosEdge_6

PosEdge_7

PosEdge_8

PosEdge_9

PosEdge_

-10

PosEdge_

-11

PosEdge_

-12

PosEdge_

-13

PosEdge_

-14

PosEdge_

-15

AckMem_0

AckMem_1

AckMem_2

AckMem_3

AckMem_4

AckMem_5

AckMem_6

AckMem_7

AckMem_8

AckMem_9

AckMem_10

AckMem_11

AckMem_12

AckMem_13

AckMem_14

AckMem_15

T200
GC Enable
Fault
sensing
from
Station
= 12.M
ET 3
辅助配电系
统 +11F22
"T 200"

DB6

FB1
"Fault Block"

EN ENO

I3.5
CB For
General
Control
Power
"12.A-Q10"

Fault_0

I6.3
CB For
Main/Auxil
iary
Trolley
Switchover
Cubicle
Power
"12.A-F16"

Fault_1

I8.2
CB For
Auxiliary
Hoist/Gant
ry
Switchover
Cubicle
Power
"12.A-F17"

Fault_2

I8.3
CB For
Auxiliary
Power
distribute
Cubicle
Power
"12.A-F19"

Fault_3

I5.0
CB For
..

M764.2
"Fault
Out_0-515"

M767.0
"Fault
Out_1-537"

M767.1
"Fault
Out_2-538"

M769.0
"Fault
Out_3-553"

M765.5
"Fault
Out_4-526"

M766.3
"Fault
Out_5-532"

M766.6
"Fault
Out_6-535"

M765.1
"Fault
Out_7-522"

M764.6
"Fault
Out_8-519"

M764.7
"Fault
Out_9-520"

M765.2
"Fault"

Main
Hoist
Control
Circuit
"12. A-F21"

Fault_4

I5. 6
CB For
PLC
Cubicle
Power
"12. A-F43"

Fault_5

I6. 1
CB For
Auxiliary
Power
distribute
Cubicle
ET200
Power
"12. A-F44"

Fault_6

I4. 4
CB For
Main
Trolley
Control
Circuit
"12. A-F22"

Fault_7

I4. 1
CB For
Gantry
Control
Circuit
"12. A-F24"

Fault_8

I4. 2
CB For
Auxiliary
Trolley
Control
Circuit
"12. A-F23"

Fault_9

I4. 5
CB For
Auxiliary
Hoist
Control
Circuit
"12. A-F25"

Fault_10

Out_10- 523"

M765. 3

"Fault

Out_11- 524"

M765. 6

"Fault

Out_12- 527"

M765. 7

"Fault

Out_13- 528"

M766. 0

"Fault

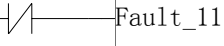
Out_14- 529"

M767. 2

"Fault

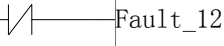
Out_15- 539"

14.6
CB For
PLC
Control
Power
"12. A-F37"



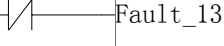
Fault_11

I5.1
CB For
Main
Control
PLC
Cubicle
Power
"12. A-F38"



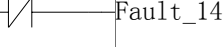
Fault_12

I5.2
CB For
Inverter
Control
Power
"12. A-F26"



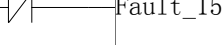
Fault_13

I5.3
CB For
Cabin PLC
Cubicle
Power
"12. A-F39"



Fault_14

I6.5
CB For
1#AFE
Control
Power
"12. A-F27"



Fault_15

M3.0
GC
Acknowledge Puls
800ms
"Acknowledge Puls
800ms"

-Ack

-PosEdge_0

-PosEdge_1

-PosEdge_2

-PosEdge_3

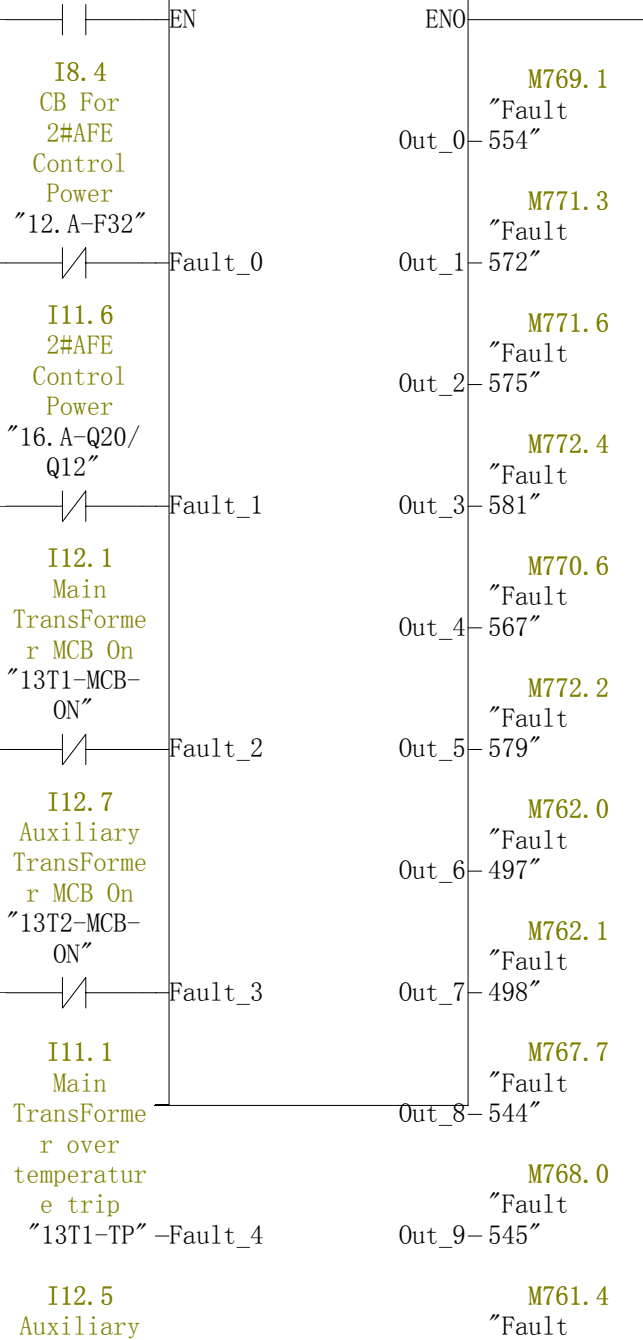
-PosEdge_4

-PosEdge_5
-PosEdge_6
-PosEdge_7
-PosEdge_8
-PosEdge_9
PosEdge_
-10
PosEdge_
-11
PosEdge_
-12
PosEdge_
-13
PosEdge_
-14
PosEdge_
-15
-AckMem_0
-AckMem_1
-AckMem_2
-AckMem_3
-AckMem_4
-AckMem_5
-AckMem_6
-AckMem_7
-AckMem_8
-AckMem_9
-AckMem_10
-AckMem_11
-AckMem_12
-AckMem_13
-AckMem_14
-AckMem_15

T200
GC Enable
Fault
sensing
from
Station
= 12.M
ET 3
辅助配电系
统 +11F22
"T 200"

DB7

FB1
"Fault Block"



Transformer over temperature trip
"13T2-TP" Fault_5

I1.3
2# AFE Fault
"12. C-K13" Fault_6

I1.4
1# AFE Fault
"12. C-K12" Fault_7

I7.2
CB For 1# AFE Fan lighting Power
"12. A-F2" Fault_8

I7.3
CB For 2# AFE Fan lighting Power
"12. A-F3" Fault_9

I0.7
CB For Exterior Power
"12. M-F47" Fault_10

I113.5
Exterior 24V Power
"92. M-F1" Fault_11

I21.7
ET200 Station working
"10. M-ET200 OK" Fault_12

I1.7
ET200 Station working
"12. M-ET200 OK" Fault_13

I107.7

Out_10- 493"
M774.0
"Fault"
Out_11- 593"
M702.4
"Fault"
Out_12- 021"
M762.4
"Fault"
Out_13- 501"
M773.7
"Fault"
Out_14- 592"
Out_15-

ET200
Station
working
"92. M-
ET200 OK"



Fault_14

-Fault_15

M3.0
GC
Acknowledge Puls
800ms
"Acknowledge Puls
800ms"

-Ack

-PosEdge_0

-PosEdge_1

-PosEdge_2

-PosEdge_3

-PosEdge_4

-PosEdge_5

-PosEdge_6

-PosEdge_7

-PosEdge_8

-PosEdge_9

PosEdge_
-10

PosEdge_
-11

PosEdge_
-12

PosEdge_
-13

PosEdge_
-14

PosEdge_
-15

-AckMem_0

-AckMem_1

-AckMem_2

-AckMem_3

-AckMem_4

-AckMem_5

-AckMem_6

-AckMem_7

-AckMem_8

-AckMem_9

-AckMem_10

-AckMem_11

-AckMem_12

-AckMem_13

-AckMem_14

-AckMem_15

T201
 GC Enable
 Fault
 sensing
 from
 Station
 = 20.M
 ET 4
 主起升联锁
 柜 +11F50
 "T 201"

I5.0
 CB For
 Main
 Hoist
 Control
 Circuit
 "12.A-F21"

DB8
FBI
 "Fault Block"

I76.3
 Main
 Hoist Up
 Emergency
 Limited
 Switch
 Relay 1
 "20.C-K33"

M23.3
 Main
 hoist 1
 no
 overspeed
 "M 23.3"

M33.3
 Main
 hoist 2
 no
 overspeed
 "M 33.3"

I6.5
 CB For
 1#AFE
 Control
 Power
 "12.A-F27"

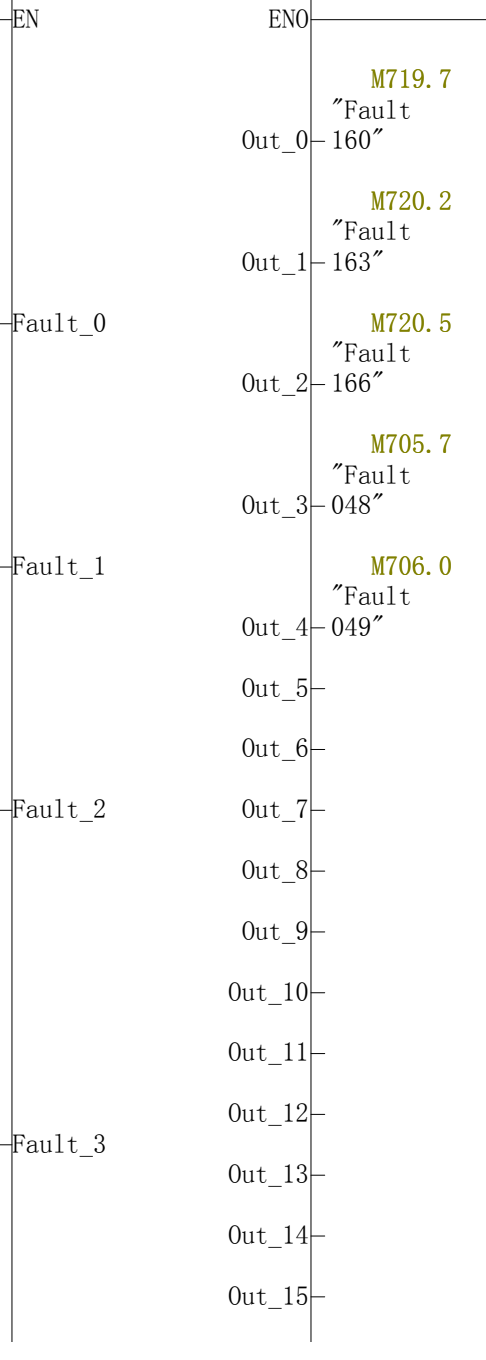
I11.3
 1#AFE
 Control
 Power
 "14.A-Q20/
 Q12"

M203.6
 LVDB
 L2DP
 Communicat
 ion Fault
 station
 converter
 AFE 1 send
 "M 203.6"

I6.5

I11.3

M201.6
 LVDB
 L2DP
 Communicat
 ion Fault



CB For
1#AFE
Control
Power
"12. A-F27"

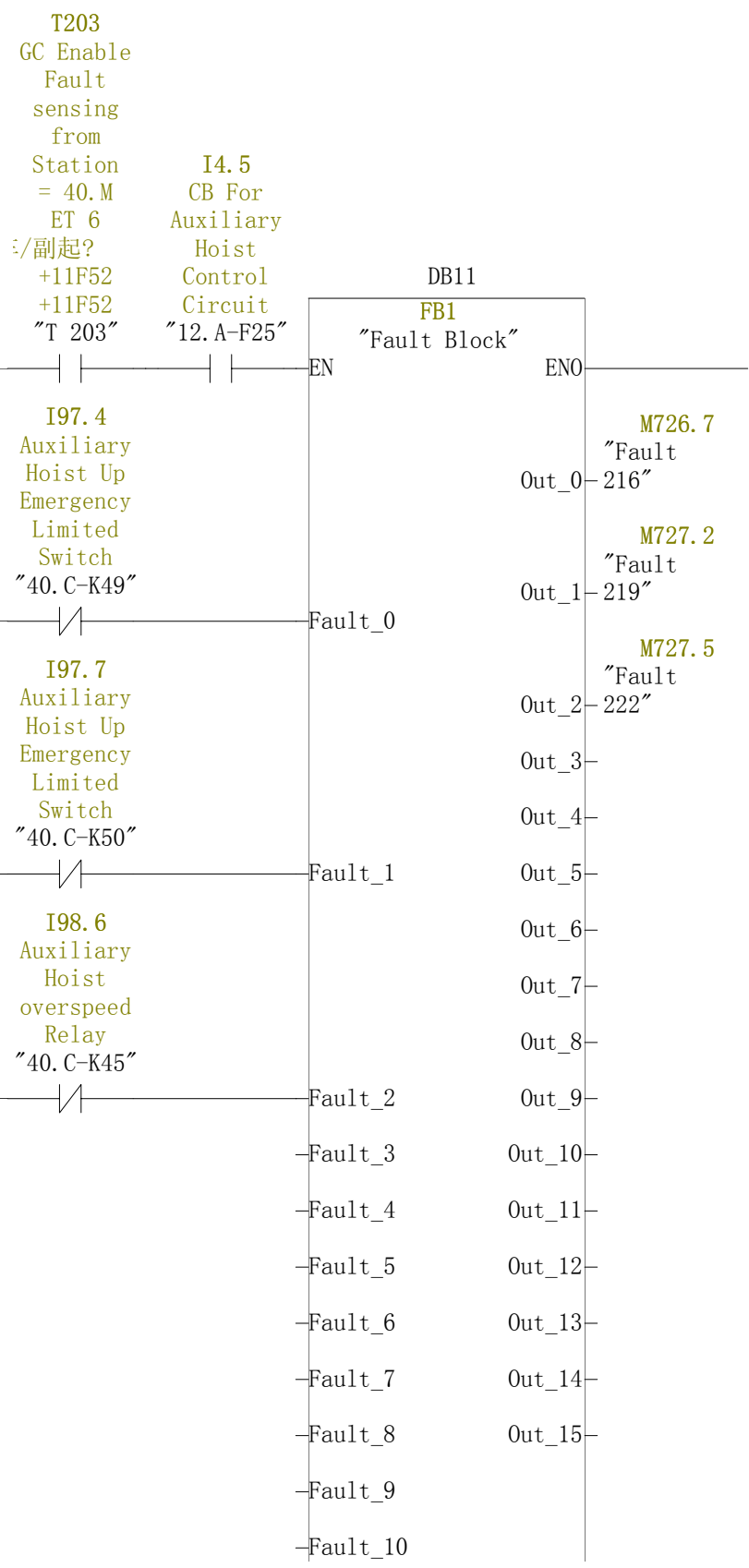
1#AFE
Control
Power
"14. A-Q20/
Q12"

station
converter
AFE 1
receive
"M 201.6"

- Fault_4
- Fault_5
- Fault_6
- Fault_7
- Fault_8
- Fault_9
- Fault_10
- Fault_11
- Fault_12
- Fault_13
- Fault_14
- Fault_15

- M3.0
GC
Acknowledge Puls
800ms
"Acknowledge Puls
800ms"
- Ack
- PosEdge_0
- PosEdge_1
- PosEdge_2
- PosEdge_3
- PosEdge_4
- PosEdge_5
- PosEdge_6
- PosEdge_7
- PosEdge_8
- PosEdge_9
- PosEdge_
-10

PosEdge_
-11
PosEdge_
-12
PosEdge_
-13
PosEdge_
-14
PosEdge_
-15
AckMem_0
AckMem_1
AckMem_2
AckMem_3
AckMem_4
AckMem_5
AckMem_6
AckMem_7
AckMem_8
AckMem_9
AckMem_10
AckMem_11
AckMem_12
AckMem_13
AckMem_14
AckMem_15



-Fault_11

-Fault_12

-Fault_13

-Fault_14

-Fault_15

M3.0
GC
Acknowledge Puls
800ms
"Acknowledge Puls
800ms"

-PosEdge_0

-PosEdge_1

-PosEdge_2

-PosEdge_3

-PosEdge_4

-PosEdge_5

-PosEdge_6

-PosEdge_7

-PosEdge_8

-PosEdge_9

PosEdge_
-10

PosEdge_
-11

PosEdge_
-12

PosEdge_
-13

PosEdge_
-14

PosEdge_
-15

-AckMem_0

-AckMem_1

~~AckMem_2~~

~~AckMem_3~~

~~AckMem_4~~

~~AckMem_5~~

~~AckMem_6~~

~~AckMem_7~~

~~AckMem_8~~

~~AckMem_9~~

~~AckMem_10~~

~~AckMem_11~~

~~AckMem_12~~

~~AckMem_13~~

~~AckMem_14~~

~~AckMem_15~~