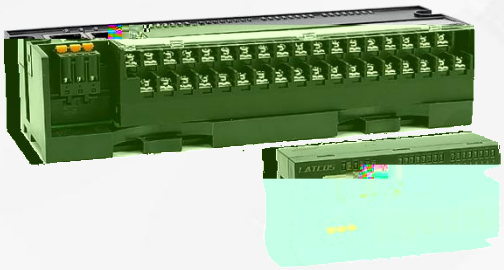
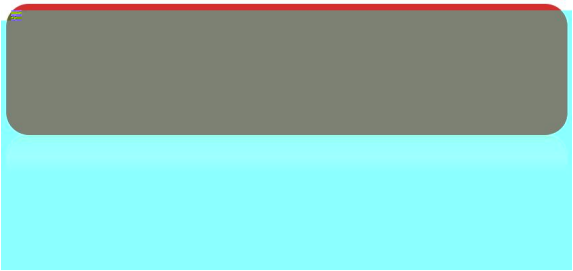
User Manual



JP

PROFINET
Remote IO Module
IO



JP-PN I/O PROFINET_ RT

PROFINET

JP	

D	

00	
08	8
16	16
32	32

PN	PROFINET

P	PNP
N	NPN
R	

00	
08	8
16	16
32	32

1	JP-D0808P-PN	8 8 PNP PROFINET 2×RJ45
2	JP-D0808N-PN	8 8 NPN PROFINET 2×RJ45
3	JP-D1600-PN	16 PNP&NPN PROFINET 2×RJ45
4	JP-D0016P-PN	16 PNP PROFINET 2×RJ45
5	JP-D0016N-PN	16 NPN PROFINET 2×RJ45
6	JP-D3200-PN	32 PNP&NPN PROFINET 2×RJ45
7	JP-D0032P-PN	32 PNP PROFINET 2×RJ45
8	JP-D0032N-PN	32 NPN PROFINET 2×RJ45
9	JP-D1616P-PN	16 16 PNP PROFINET 2×RJ45
10	JP-D1616N-PN	16 16 NPN PROFINET 2×RJ45
12	JP-D0008R-PN	8 5A 250VAC/30VDC ,PROFINET 2×RJ45
12	JP-D0016R-PN	16 5A 250VAC/30VDC ,PROFINET 2×RJ45

e

JP-PN

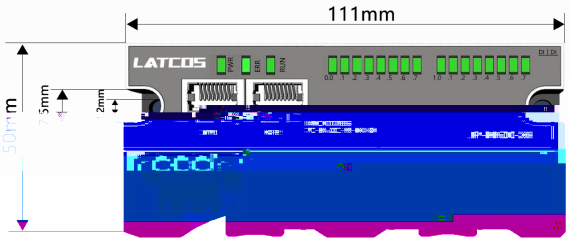
DI 2

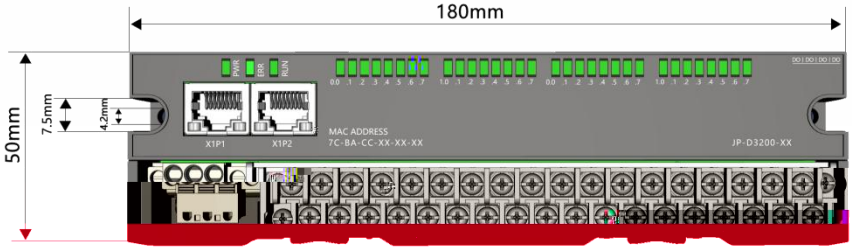
1	16
2	2 bytes
3	Ton Type. 18uS

MOSFET DQ 3

2	ϑC WΕ(ϱ [redacted]
3	λbϵ·

JP I/O 16 111 * 50 * 40 W/H/D mm 32 180 * 50 * 40 W/H/D mm h=5.5mm IP20





25 mm

75 mm

DIN TS35/7.5

2

RJ45 *2	PLC PC

IO

8

-

-

IO IO

MAC MAC

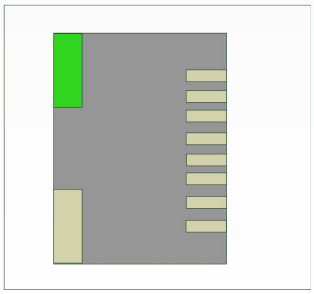
RJ45 *2 PLC PC

IO

8

RJ45 X1P1

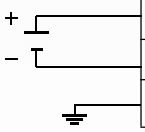
X1P2, MAC mac



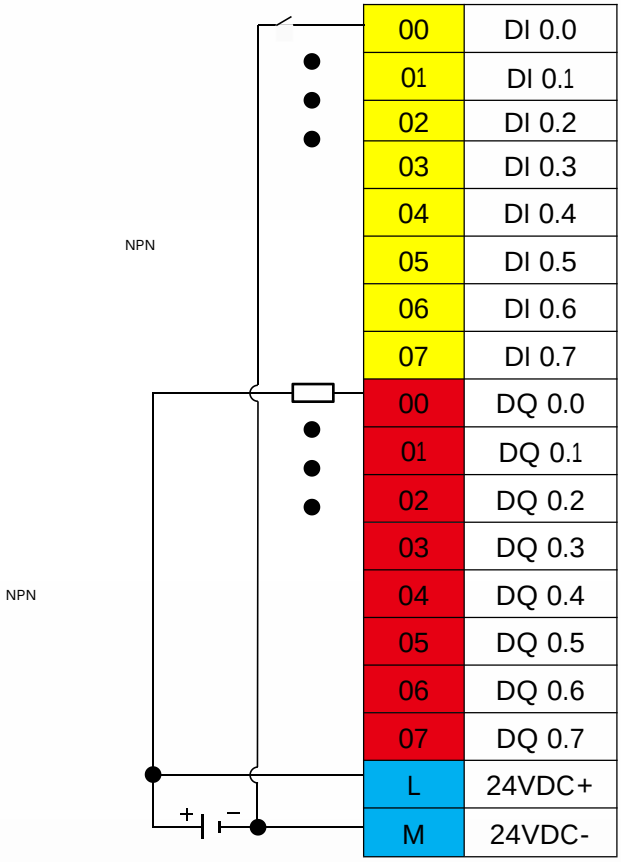
LED 3 I/O RJ45

JP-DO808N-PN

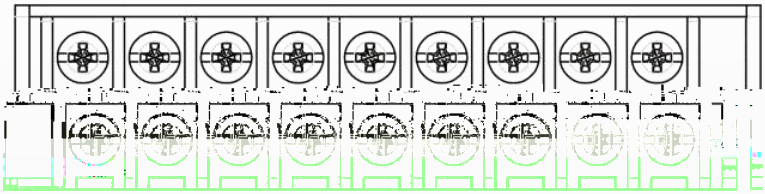
8	NPN
8	NPN

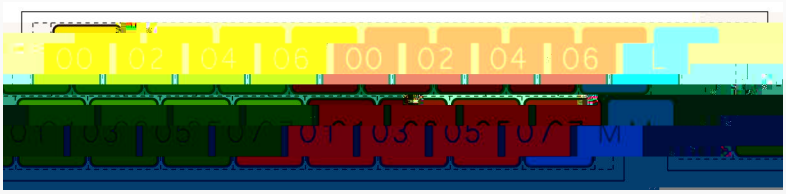


L	24VDC+
M	24VDC-
PE	



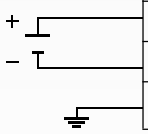
00	DI 0.0
01	DI 0.1
02	DI 0.2
03	DI 0.3
04	DI 0.4
05	DI 0.5
06	DI 0.6
07	DI 0.7
00	DQ 0.0
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
L	24VDC+
M	24VDC-



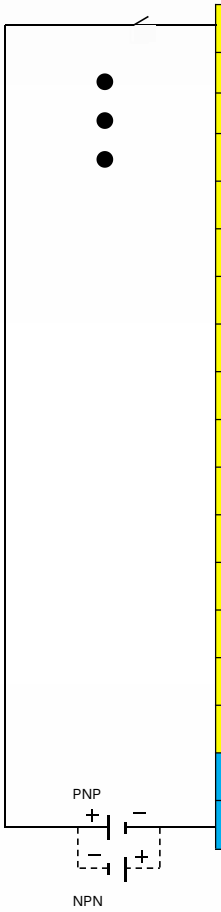


JP-D1600-PN

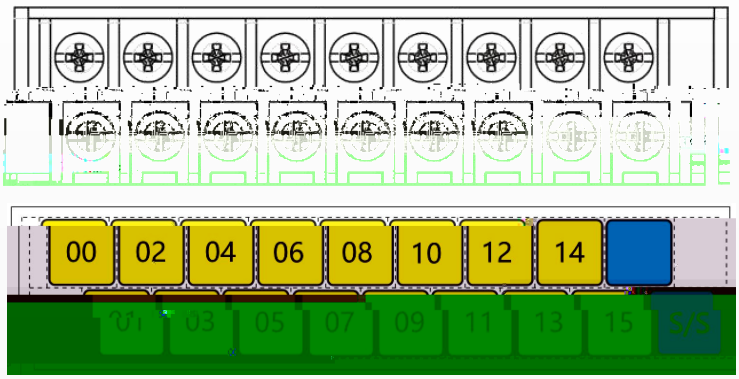
16 PNP/NPN



L	24VDC+
M	24VDC-
PE	

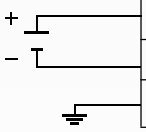


00	DI 0.0
01	DI 0.1
02	DI 0.2
03	DI 0.3
04	DI 0.4
05	DI 0.5
06	DI 0.6
07	DI 0.7
08	DI 1.0
09	DI 1.1
10	DI 1.2
11	DI 1.3
12	DI 1.4
13	DI 1.5
14	DI 1.6
15	DI 1.7
S/S	

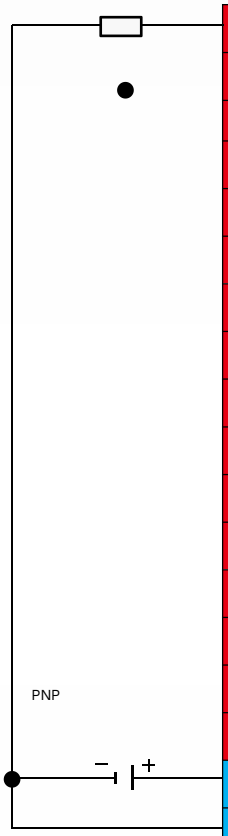


JP-DO016P-PN

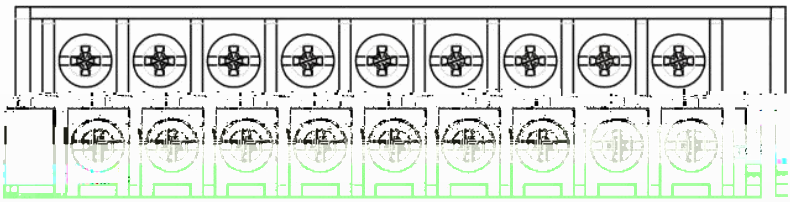
16 PNP

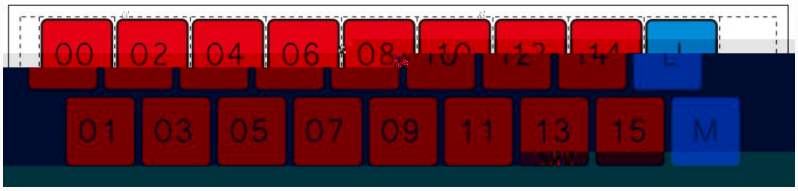


L	24VDC+
M	24VDC-
PE	



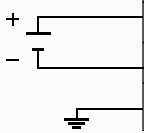
00	DQ 0.0
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
08	DQ 1.0
09	DQ 1.1
10	DQ 1.2
11	DQ 1.3
12	DQ 1.4
13	DQ 1.5
14	DQ 1.6
15	DQ 1.7
L	24VDC+
M	24VDC-



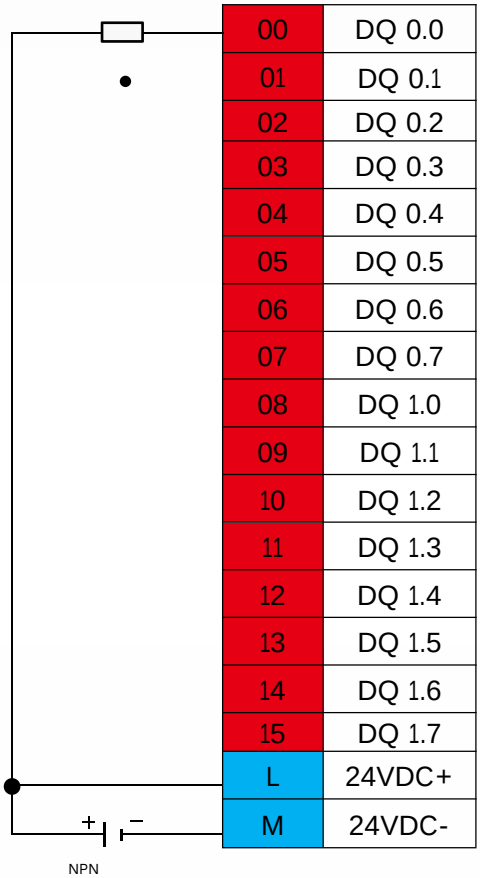


JP-DO016N-PN

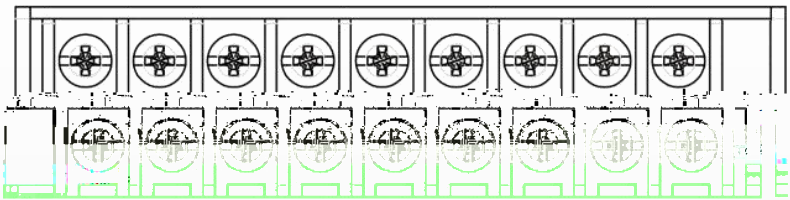
16 NPN

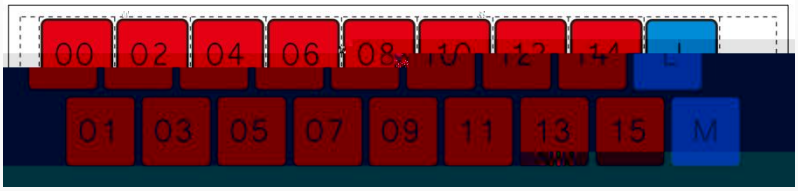


L	24VDC+
M	24VDC-
PE	



00	DQ 0.0
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
08	DQ 1.0
09	DQ 1.1
10	DQ 1.2
11	DQ 1.3
12	DQ 1.4
13	DQ 1.5
14	DQ 1.6
15	DQ 1.7
L	24VDC+
M	24VDC-

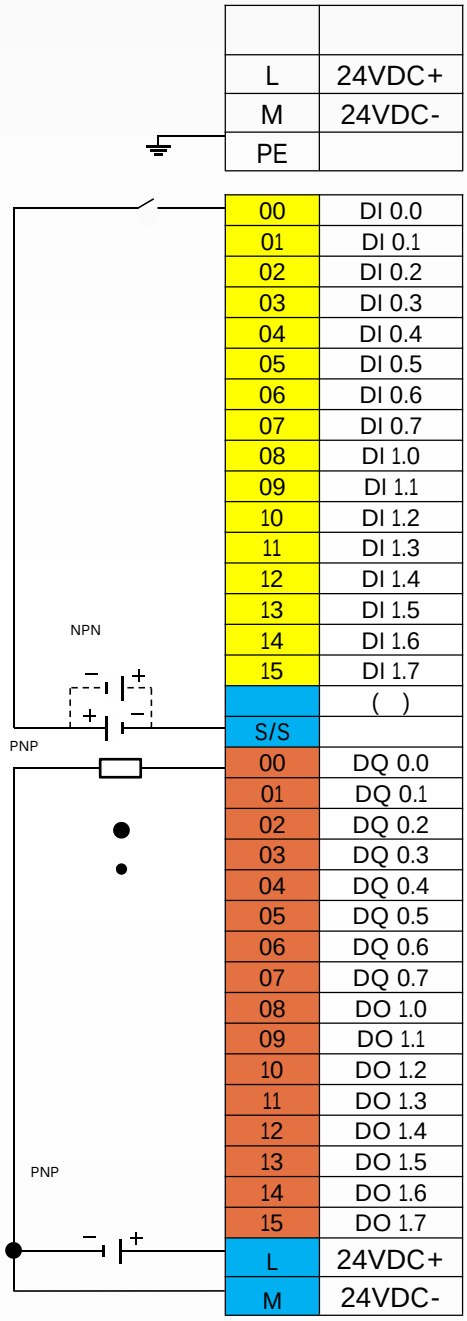




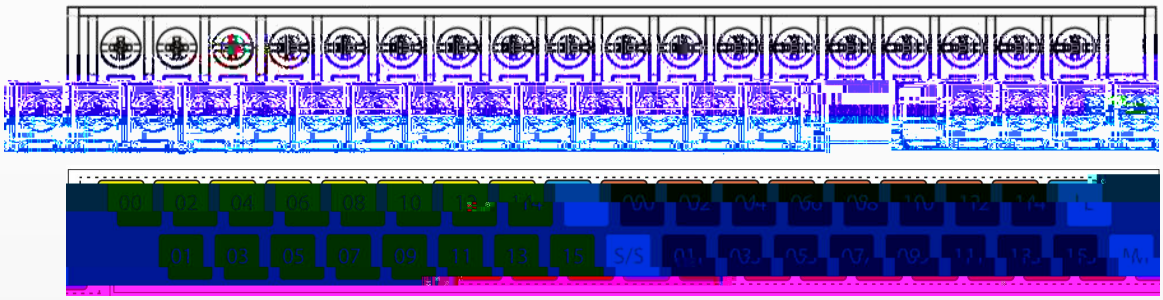
JP-D1616P-PN

16 PNP/NPN

16 PNP



L	24VDC+
M	24VDC-
PE	
00	DI 0.0
01	DI 0.1
02	DI 0.2
03	DI 0.3
04	DI 0.4
05	DI 0.5
06	DI 0.6
07	DI 0.7
08	DI 1.0
09	DI 1.1
10	DI 1.2
11	DI 1.3
12	DI 1.4
13	DI 1.5
14	DI 1.6
15	DI 1.7
	( )
S/S	
00	DQ 0.0
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
08	DO 1.0
09	DO 1.1
10	DO 1.2
11	DO 1.3
12	DO 1.4
13	DO 1.5
14	DO 1.6
15	DO 1.7
L	24VDC+
M	24VDC-



JP-D1616N-PN

16 PNP/NPN

16 NPN

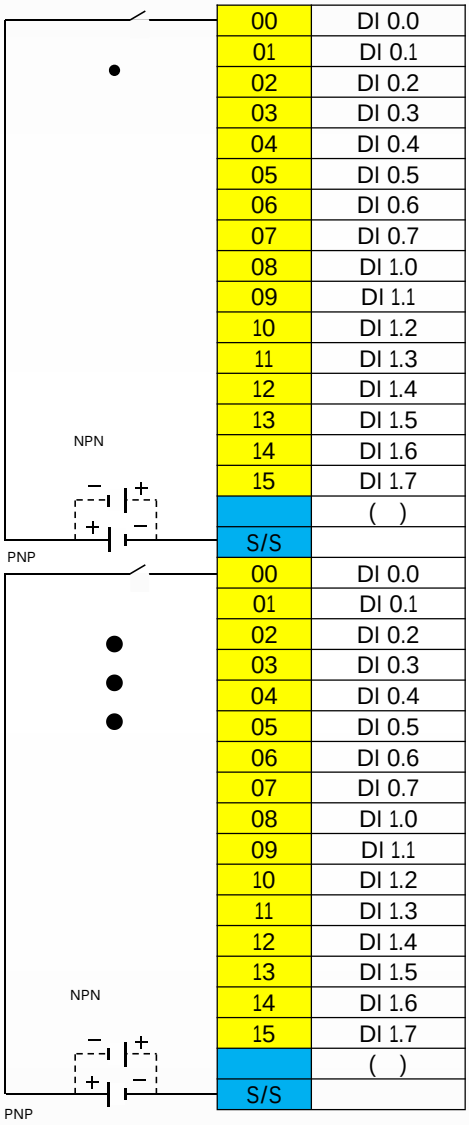
L	24VDC+
M	24VDC-
PE	

00	DI 0.0
01	DI 0.1
02	DI 0.2
03	DI 0.3
04	DI 0.4
05	DI 0.5
06	DI 0.6
07	DI 0.7
08	DI 1.0
09	DI 1.1
10	DI 1.2
11	DI 1.3
12	DI 1.4
13	DI 1.5
14	DI 1.6
15	DI 1.7
	( )
S/S	
00	DQ 0.0
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
08	DQ 1.0
09	DQ 1.1
10	DQ 1.2
11	DQ 1.3
12	DQ 1.4
13	DQ 1.5
14	DQ 1.6
15	DQ 1.7
L	24VDC+
M	24VDC-

JP-D3200-PN

32 PNP/NPN

L	24VDC+
M	24VDC-
PE	



00	DI 0.0
01	DI 0.1
02	DI 0.2
03	DI 0.3
04	DI 0.4
05	DI 0.5
06	DI 0.6
07	DI 0.7
08	DI 1.0
09	DI 1.1
10	DI 1.2
11	DI 1.3
12	DI 1.4
13	DI 1.5
14	DI 1.6
15	DI 1.7
	( )
S/S	
00	DI 0.0
01	DI 0.1
02	DI 0.2
03	DI 0.3
04	DI 0.4
05	DI 0.5
06	DI 0.6
07	DI 0.7
08	DI 1.0
09	DI 1.1
10	DI 1.2
11	DI 1.3
12	DI 1.4
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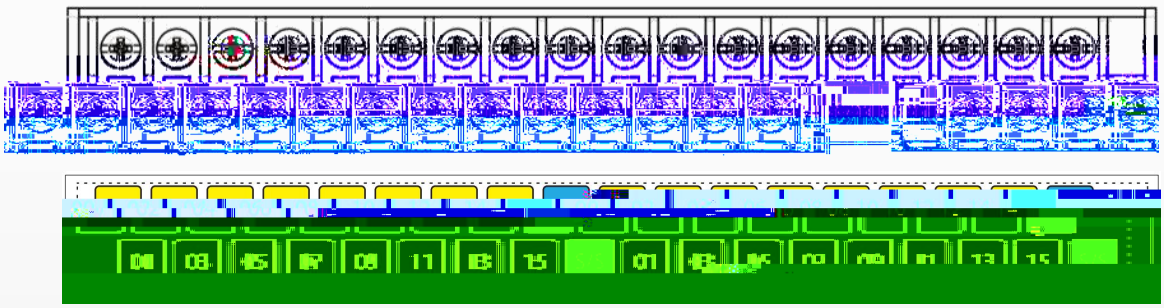
14	DI 1.6
15	DI 1.7
	( )
S/S	

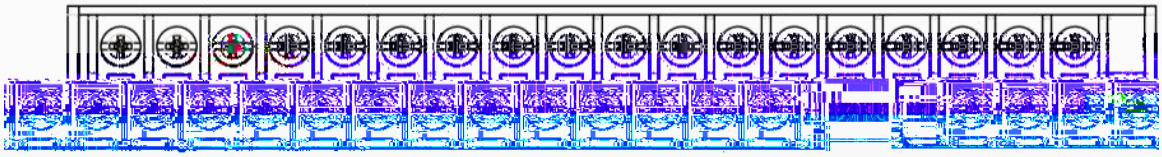


JP-DO032P-PN

32 PNP

L	24VDC+
M	24VDC-
PE	

[redacted]



JP-DO032N-PN

32 NPN

L	24VDC+
M	24VDC-
PE	

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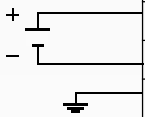
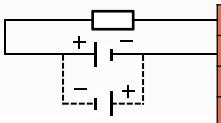
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
08	DQ 1.0
09	DQ 1.1
10	DQ 1.2
11	DQ 1.3
12	DQ 1.4
13	DQ 1.5
14	DQ 1.6
15	DQ 1.7
L	24VDC+
M	24VDC-
00	DQ 0.0
01	DQ 0.1
02	DQ 0.2
03	DQ 0.3
04	DQ 0.4
05	DQ 0.5
06	DQ 0.6
07	DQ 0.7
08	DQ 1.0
09	DQ 1.1
10	DQ 1.2
11	DQ 1.3
12	DQ 1.4
13	DQ 1.5
14	DQ 1.6
15	DQ 1.7
L	24VDC+
M	24VDC-

JP-DO016R-PN

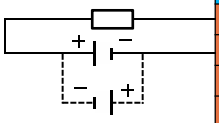
16 PNP/NPN



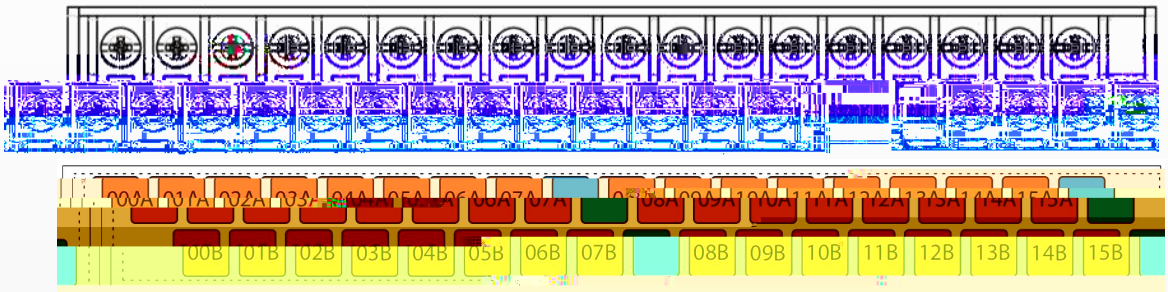
L	24VDC+
M	24VDC-
PE	



00A	1	A
00B	1	B
01A	2	A
01B	2	B
02A	3	A
02B	3	B
03A	4	A
03B	4	B
04A	5	A
04B	5	B
05A	6	A
05B	6	B
06A	7	A
06B	7	B
07A	8	A
07B	8	B



08A	9	A
08B	9	B
09A	10	A
09B	10	B
10A	11	A
10B	11	B
11A	12	A
11B	12	B
12A	13	A
12B	13	B
13A	14	A
13B	14	B
14A	15	A
14B	15	B
15A	16	A
15B	16	B



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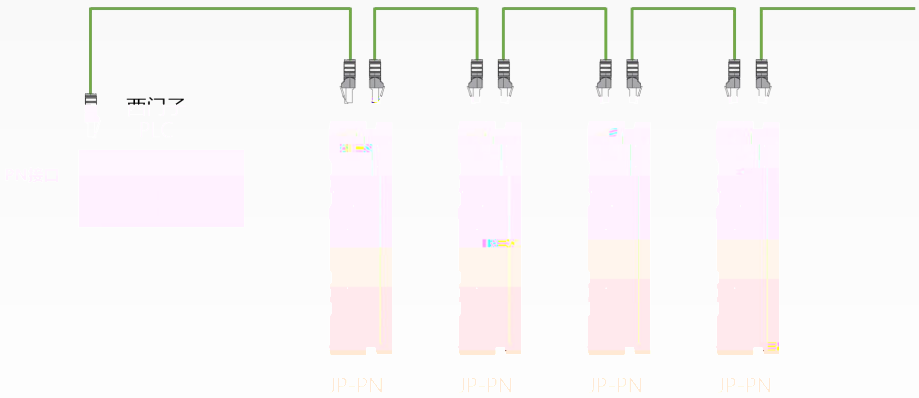
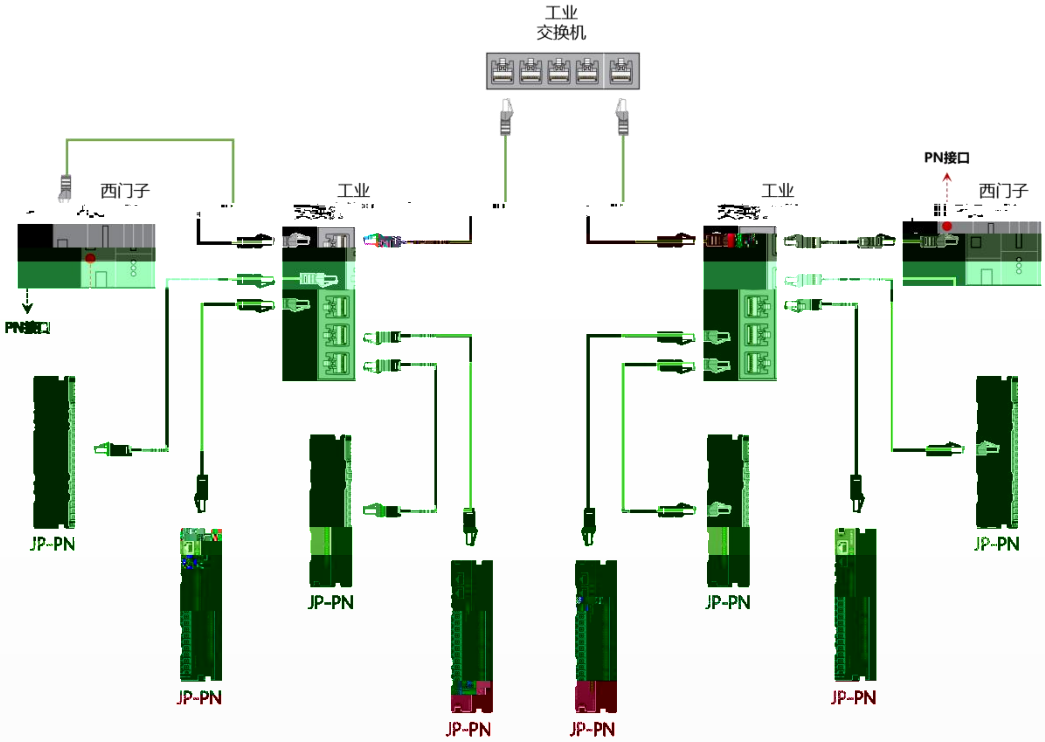
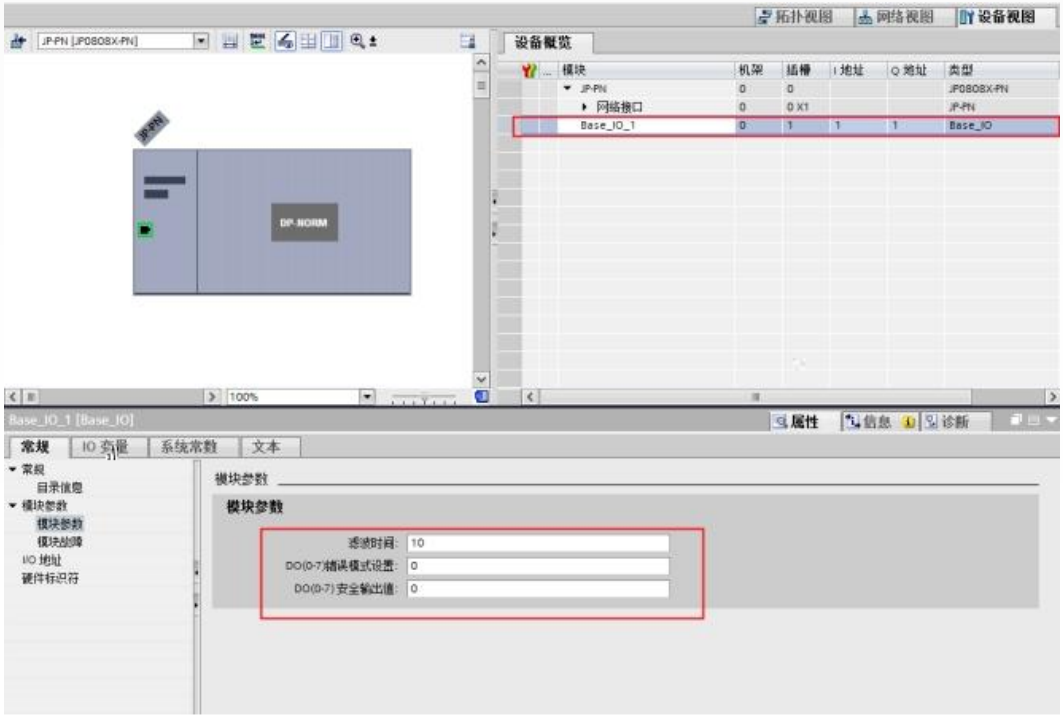

JP-PN
JP-PN
JP-PN
JP-PN


工业
交换机
西门子
工业
工业
PN接口
西门子
PN接口
JP-PN
JP-PN
JP-PN
JP-PN
JP-PN
JP-PN
JP-PN
JP-PN

JP-PN DI/DQ

●16 2 In

●16 2 Out



BIT No	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
BYTE 0					Filter			

	Filter	ms	0-255 5

BIT No	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
BYTE 0 DO Error_Mode bits 0-7	DO Error_Mode For 7	DO Error_Mode For 6	DO Error_Mode For 5	DO Error_Mode For 4	DO Error_Mode For 3	DO Error_Mode For 2	DO Error_Mode For 1	DO Error_Mode For 0
BYTE 1 DO Error_Value bits 0-7	DO Error Value For 7	DO Error Value For 6	DO Error Value For 5	DO Error Value For 4	DO Error Value For 3	DO Error Value For 2	DO Error bitValue For _1	DO Error Value For 0

	DO Error_Mode bits	-		0-255	DQ0.x DQ0.x	Bit0 _	DQ-0.0 “Error Mode”-	bit b

BIT No	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
BYTE 0	DO Error_ Mode	DO Error_ Mode	DO Error_ Mode	DO Error_ Mode	DO Error_ Mode	DO Error_ Mode	DO Error_ Mode	DO Error_ Mode
DO Error_Mode bits 0-7	For 7	For 6	For 5	For 4	For 3	For 2	For 1	For 0
BYTE 1	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For
DO Error_Value bits 0-7	7	6	5	4	3	2	1	0

	DO Error_ Mode bits	-		0-255 0	DQ0.x bit DQ0.x Bit0 DQ-0.0 “Error Mode” bit “1” “Error Value[7..0]” bit DQ0.x
	DO Error_ Value bits	-		0-255 0	“Error Mode[7..0]” bit DQ

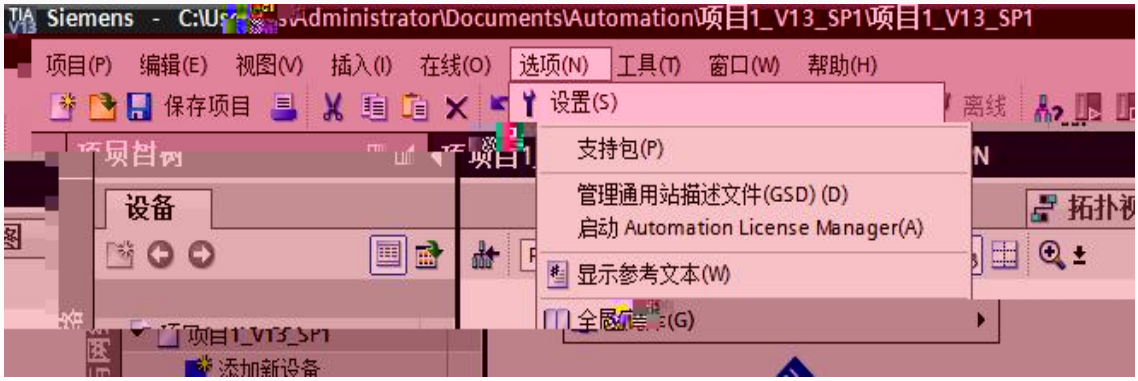
BIT No	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
BYTE 0	Filter							

	Filter	ms		0-255 5	

BIT No	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
BYTE 0	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode
DO Error_Mode bits 0-7	For 7	For 6	For 5	For 4	For 3	For 2	For 1	For 0
BYTE 1	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For
DO Error_Value bits 0-7	7	6	5	4	3	2	1	0
BYTE 2	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode	DO Error_Mode
DO Error_Mode bits 8-15	For 15	For 14	For 13	For 12	For11	For 10	For 9	For 8
BYTE 3	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For	DO Error Value For
DO Error_Value bits 8-15	15	14	13	12	11	10	9	8
. .	16-31							

	DO Error_ Mode bits	-		0-255 0	DQ0.x bit DQ0.x Bit0 DQ-0.0 "Error Mode" bit "1" "Error Value[7..0]" bit DQ0.x
	DO Error_ Value bits	-		0-255 0	"Error Mode[7..0]" bit DQ

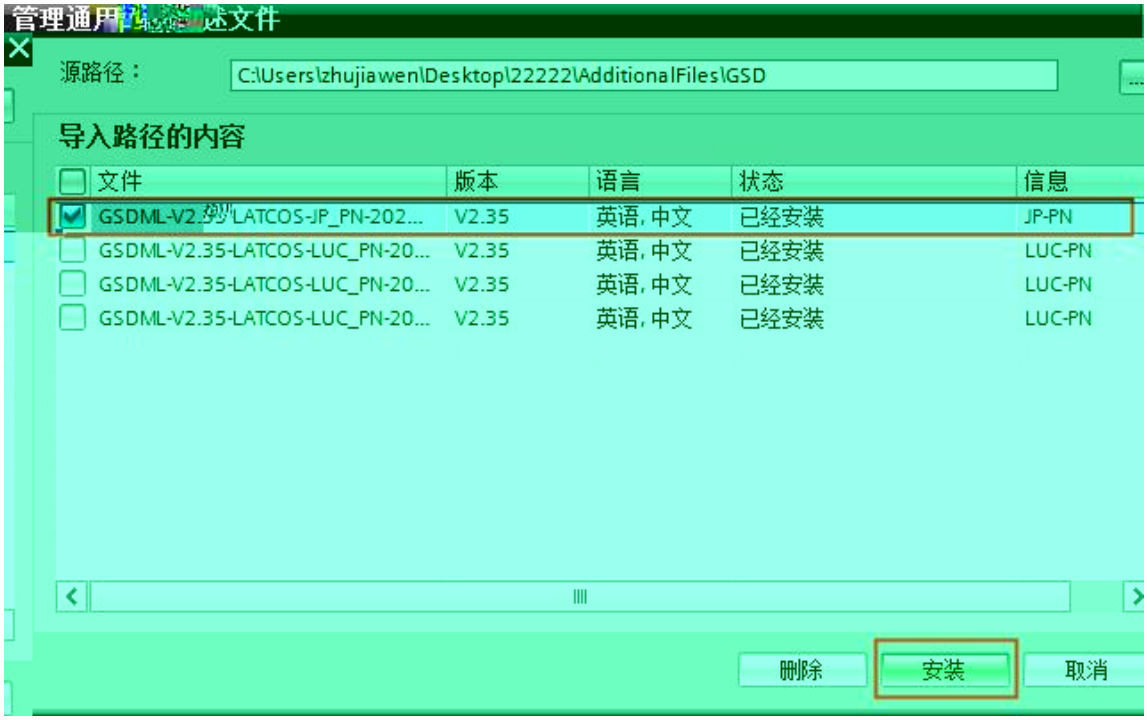
2 “ ” “ GSF D ”



3 GSD “ ” GSD

GSD

GSD



4 “ ”

TIA Portal V13 GSD

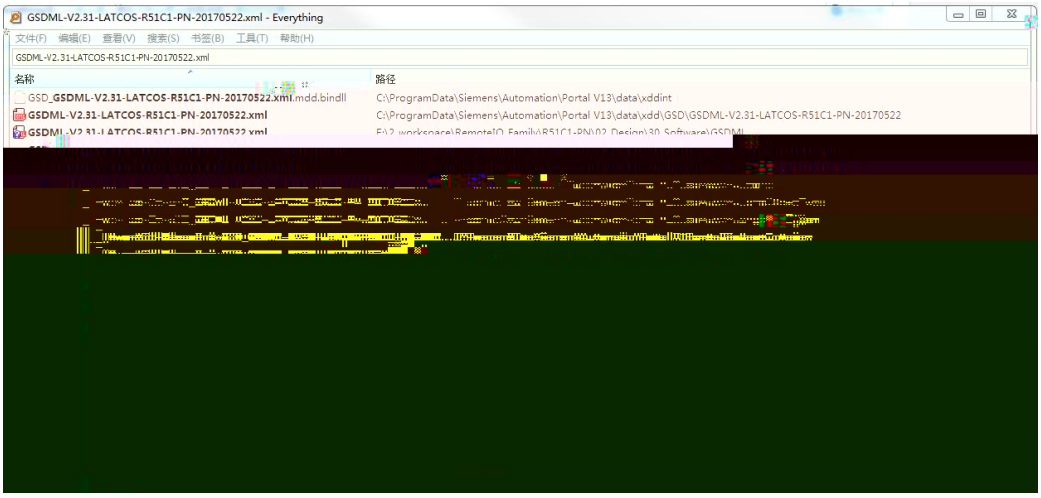
Everything

1 Everything

2 TIA Portal V13

3 Everything

“GSDML-V2.31-LATCOS-JP-PN-20210804.xml”

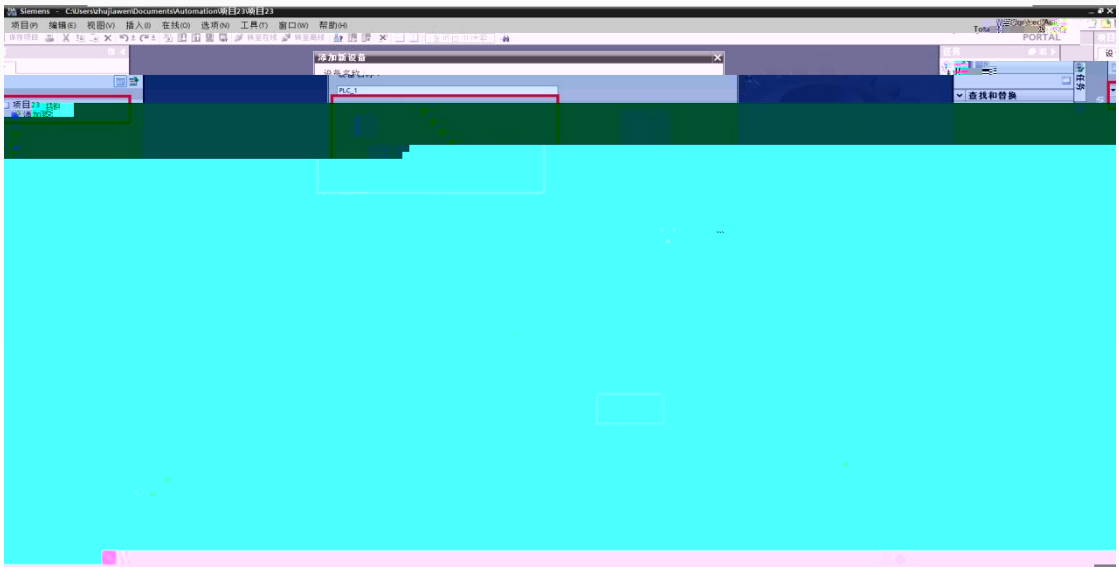


4 “ ”

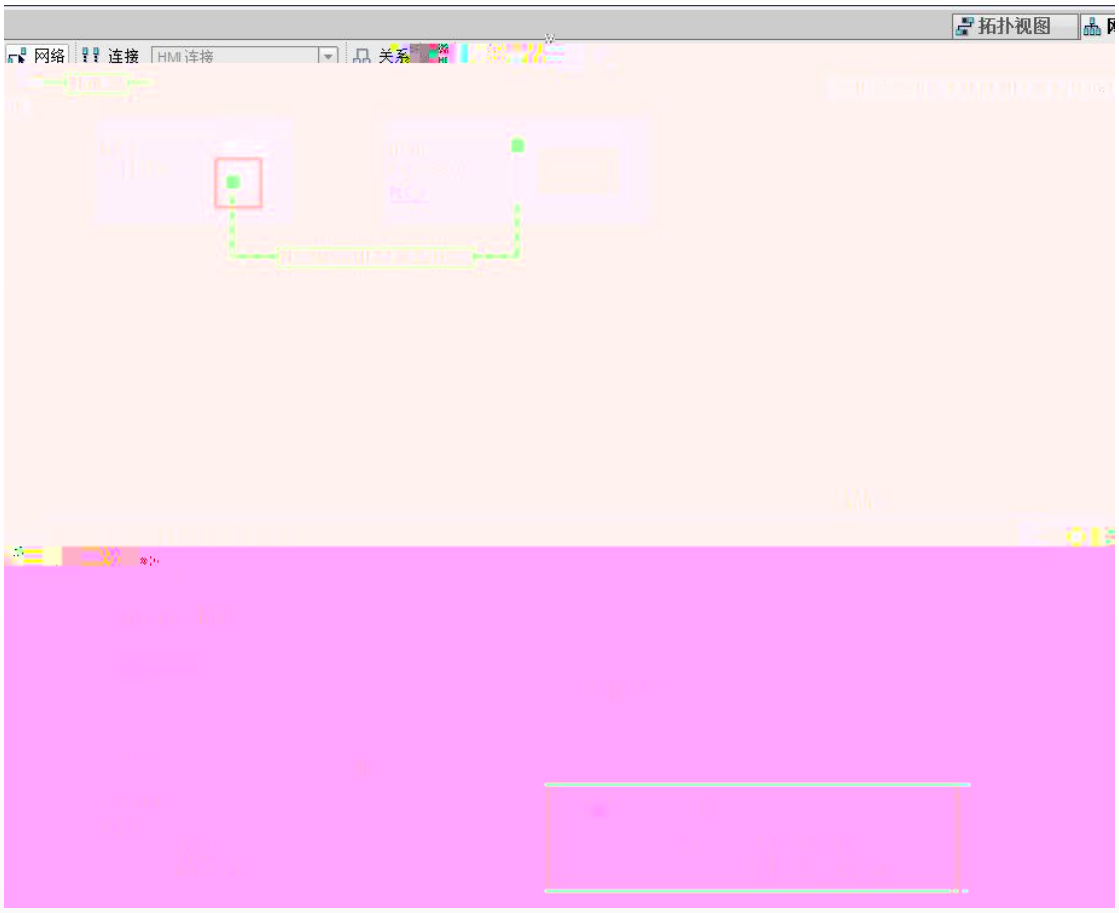
“ ” GSD

GSD

S7-1200 SIMATIC S7-1200 1211C CPU

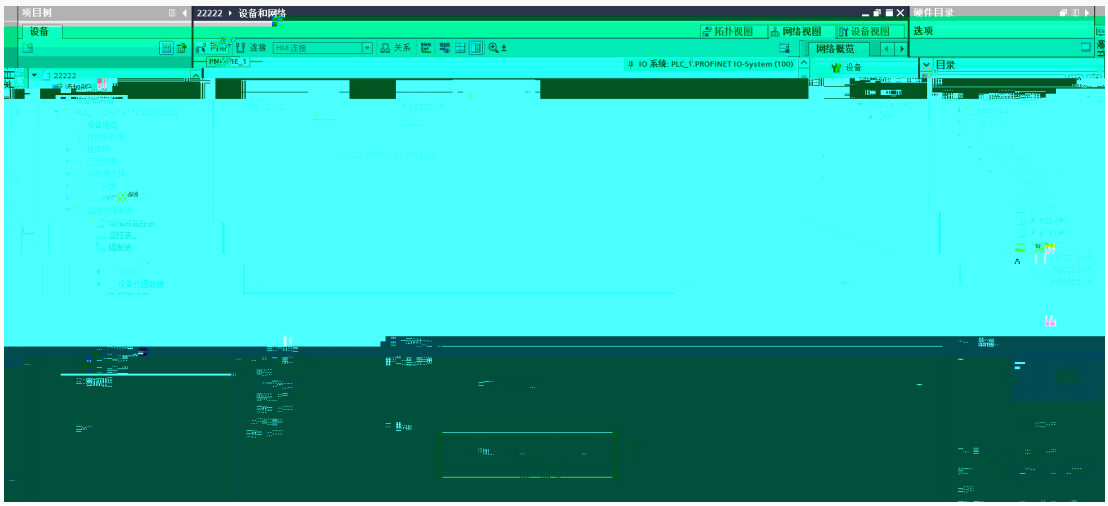


IP CPU 1200 192.168.0.1



PROFINET IO IO/LATCOS/Remote/IO/J

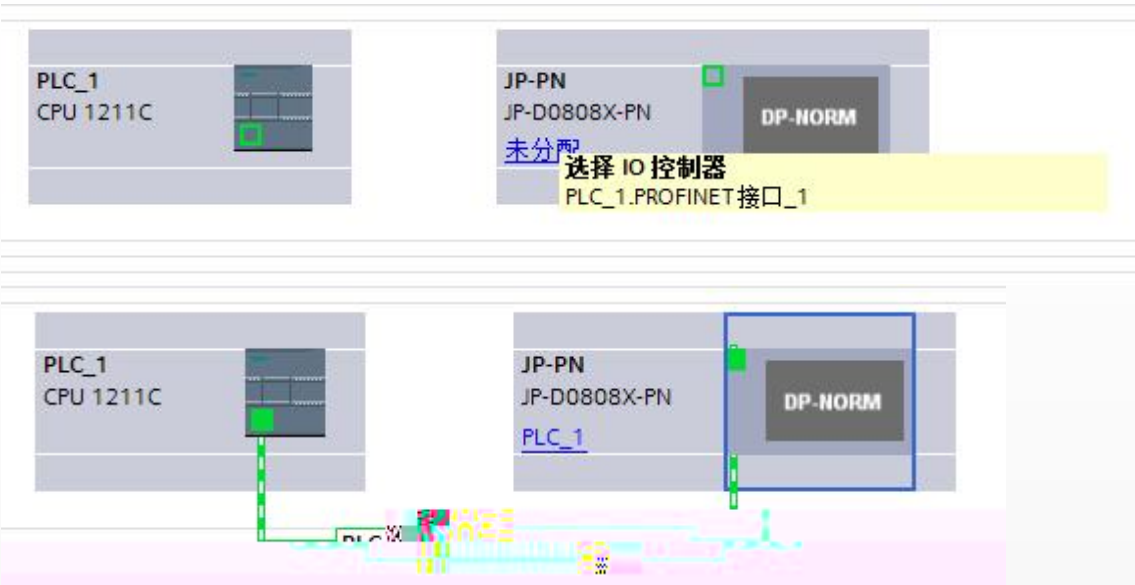
P-PN JP-D0808N-PN



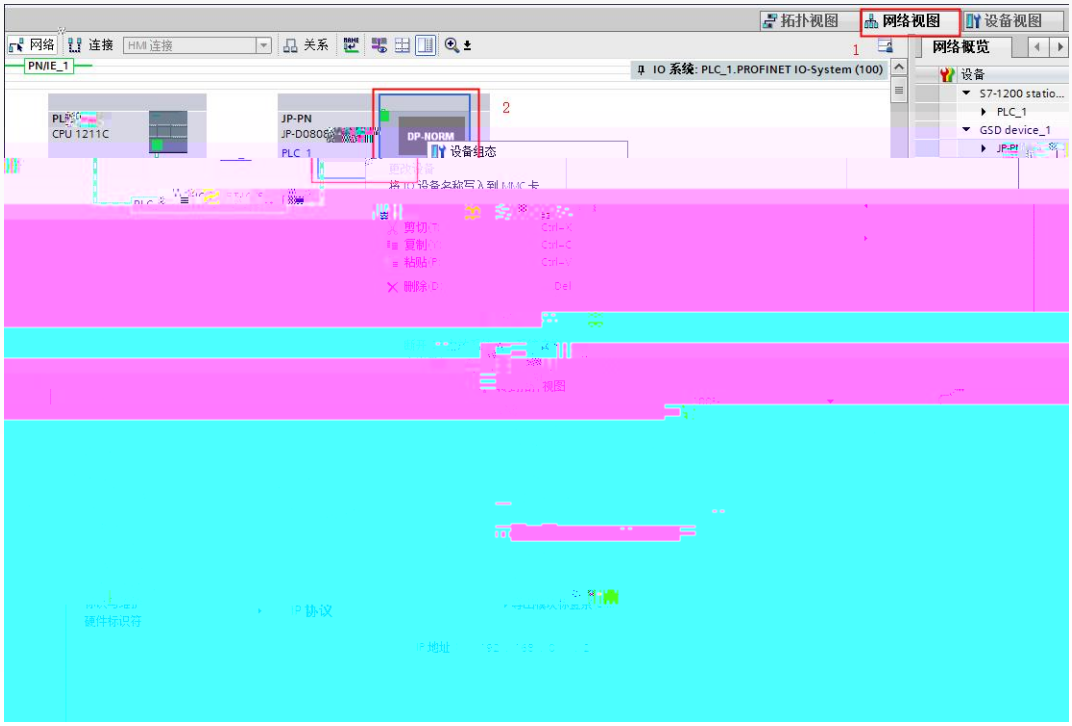
JP-D0808N-PN I/O

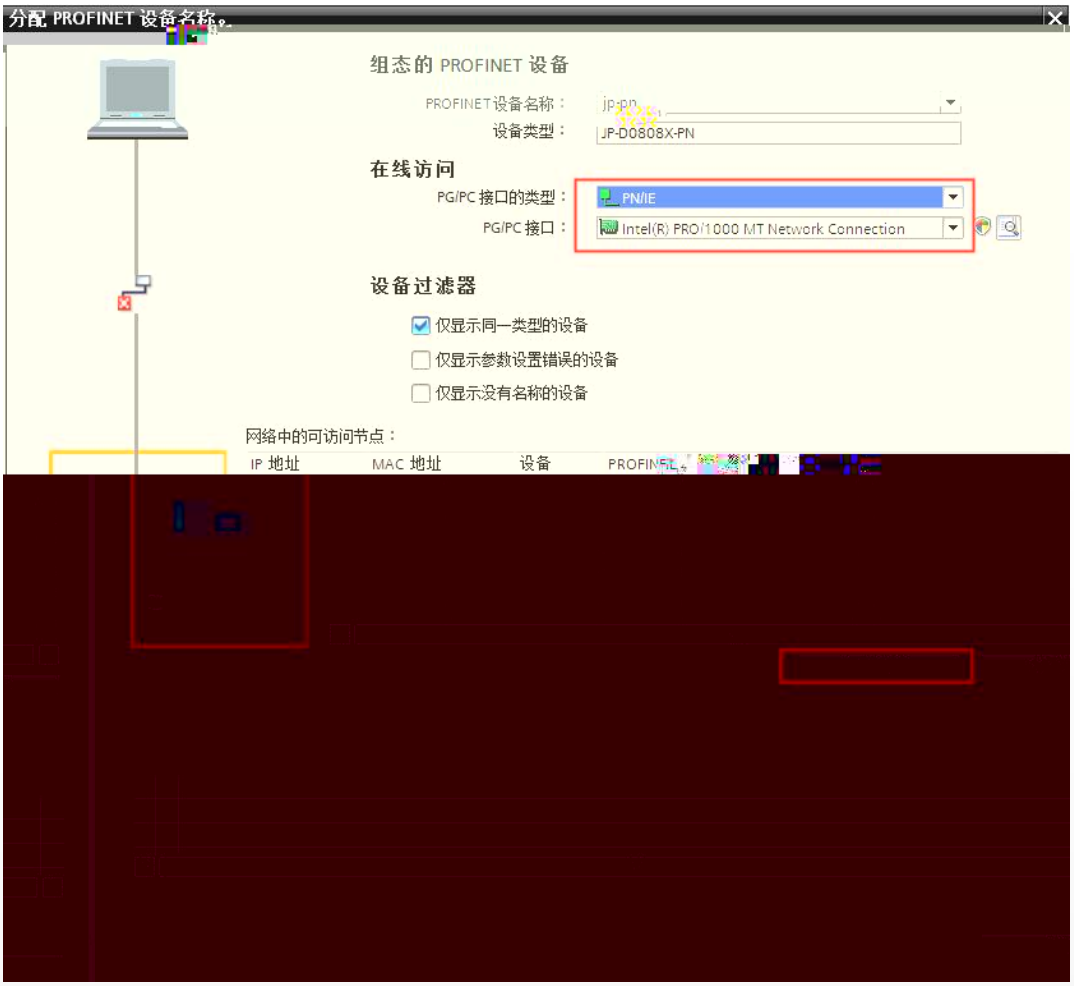
	/	
JP-D1600-PN	Input 2 byte	1
JP-D0016X-PN	Output 2 byte	1
JP-D3200-PN	Input 2 byte	2
JP-D0032X-PN	Output 2 byte	2
JP-D1616X-PN	Input 2 byte	1
	Output 2 byte	1

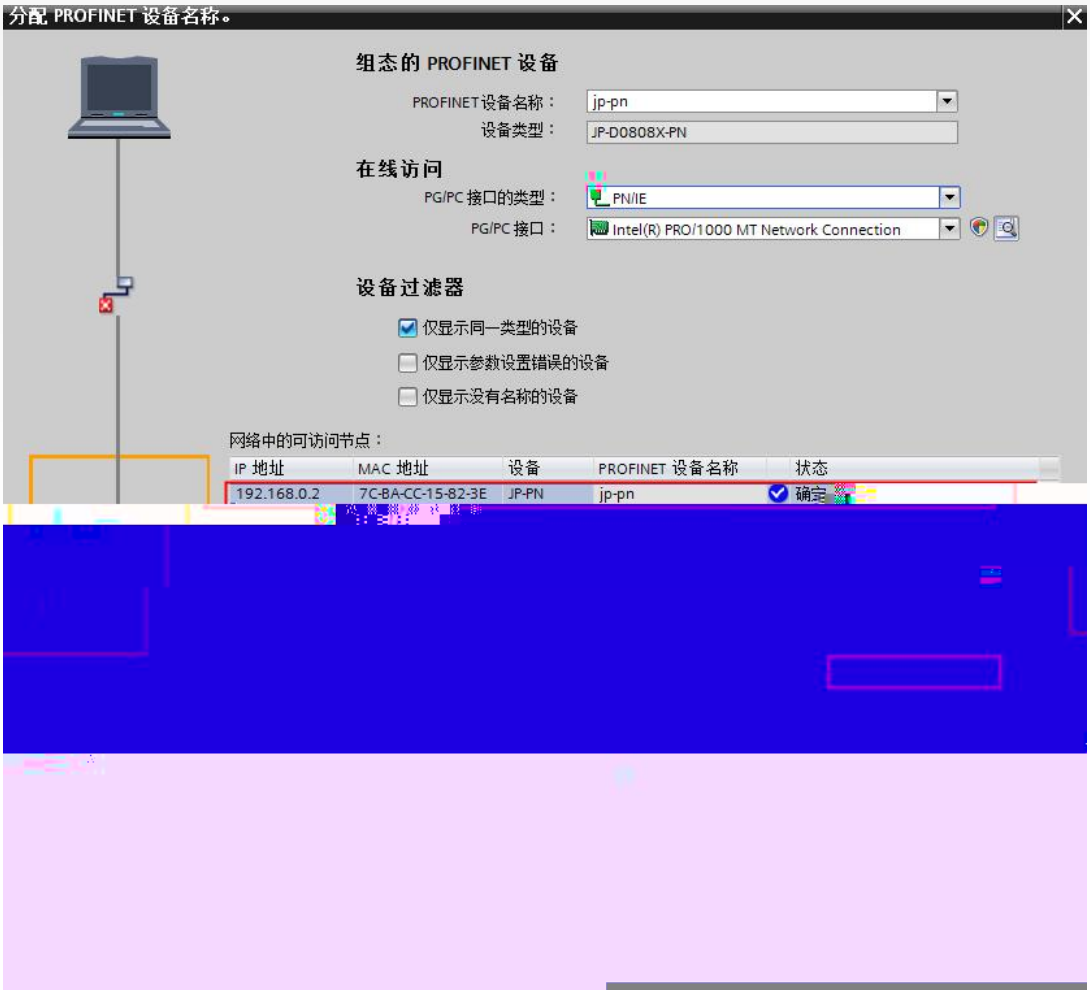
,



IO

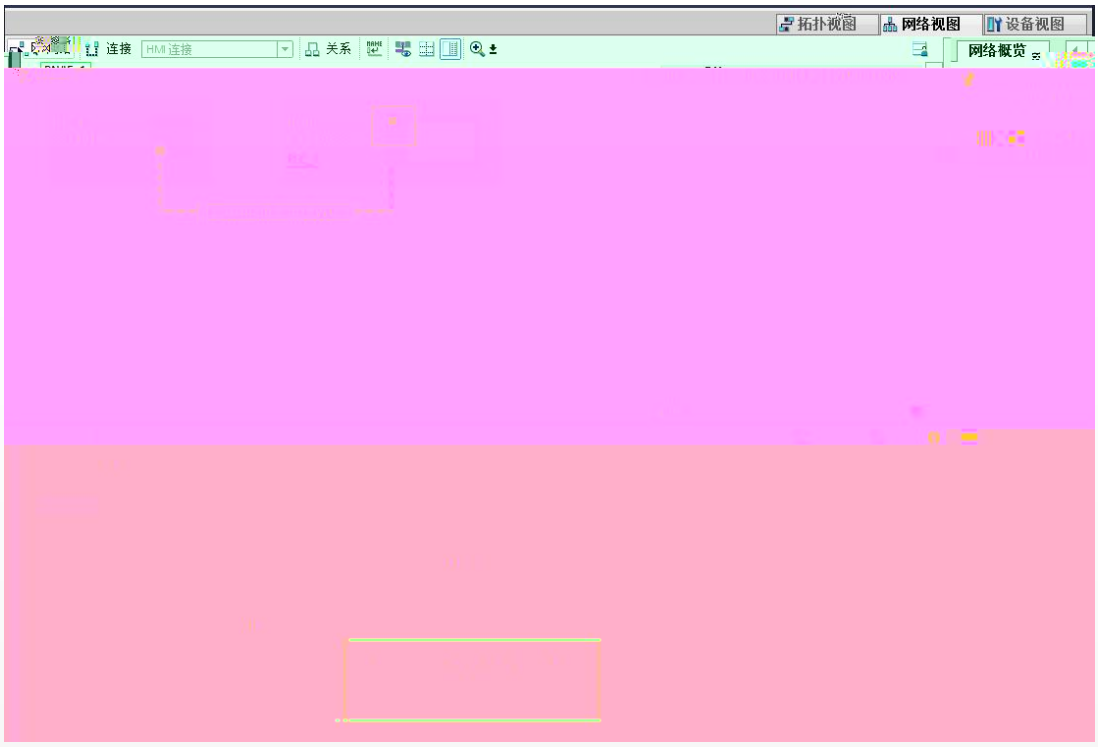

拓扑视图
网络视图
设备视图
网络
连接
HMI 连接
关系
PN/IE_1
IO 系统: PLC_1.PROFINET IO-System (100)
网络概览
设备
S7-1200 statio...
PLC_1
GSD device_1
CPU 1211C
JP-PN
DP-NORM
设备组态
1
2

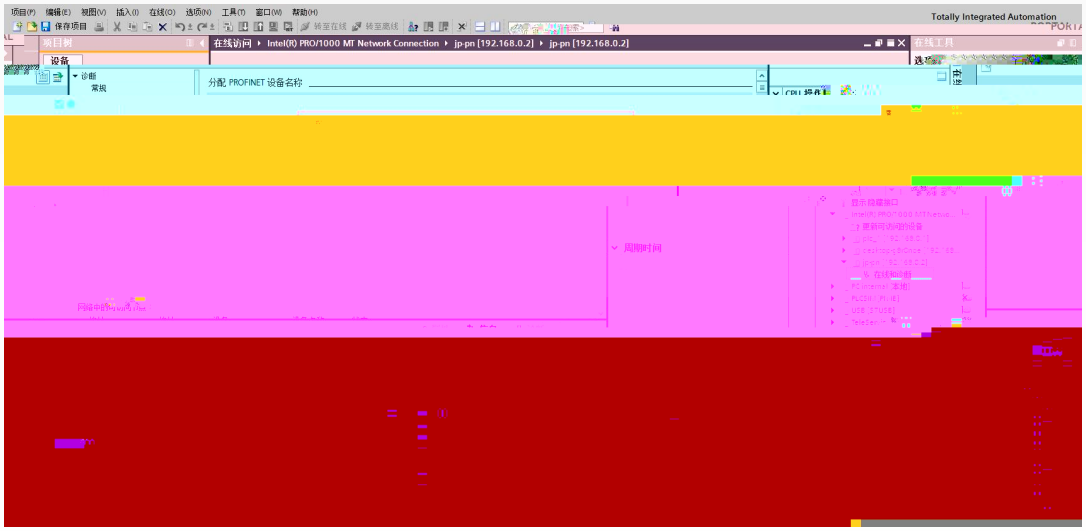

分配 PROFINET 设备名称。
组态的 PROFINET 设备
PROFINET设备名称：
jp-pn
设备类型：
JP-D0808X-PN
在线访问
PG/PC 接口的类型：
PN/IE
PG/PC 接口：
Intel(R) PRO/1000 MT Network Connection
设备过滤器
仅显示同一类型的设备
仅显示参数设置错误的设备
仅显示没有名称的设备
网络中的可访问节点：
IP 地址
MAC 地址
设备



IP profinet

IP MAC





(1). , ;

(2). , ;

(3). MAC , , ,

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(4). ,

(5). , ,(

; JP-PN, JP-PN,

, ,)

(6).

(7).

先进自动化控制及工业网络技术

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