BASE LOAD POWER HUB (BLPH)

B-300

INTERCONNECTION WIRING DIAGRAM

B300-HSB-001

04	14/03/25	G.M.	A.O.	A.C.	ISSUE FOR INFORMATION (IFI)
03	14/11/24	G.M.	A.O.	A.C.	ISSUE FOR INFORMATION (IFI)
02	15/10/24	G.M.	A.O.	A.C.	ISSUE FOR INFORMATION (IFI)
01	04/09/24	G.M.	A.O.	A.C.	ISSUE FOR INFORMATION (IFI)
00	10/07/24	G.M.	A.O.	A.C.	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
WIRING DIAGRAM
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000049-EL-DG-00024

SHEET 001

REV. 04

04	ISSUE FOR INFORMATION (IFI)	19/12/24		DATE	02/07/2024
03	ISSUE FOR INFORMATION (IFI)	14/11/24		DRN	F.M.
02	ISSUE FOR INFORMATION (IFI)	15/10/24	F.M.	CHKD	S.S.
REV.	MOD.	DATE	SIGN	APPD	M.G.

ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300
COVER

ROSETTI MARINO

1724000049-HV-DG-00024

F.G. 1

F.S. 2

LISTA FOGLI \ INDEX

Foglio Sheet	Descrizione Description	Revisioni Revisions 1	2	3	4	5	6	7	8	9
1	COVER	X	X	X	X					
2	INDEX	X	X	X	X					
3	SIMBOL LIST	X	X	X	X					
4	EXTERNAL VIEW	X	X	X	X					
5	INTERCONNECTION	X	X	X	X					
6	INTERCONNECTION	X	X	X	X					
7	INTERCONNECTION	X	X	X	X					
8	INTERCONNECTION	X	X	X	X					
9	INTERCONNECTION	X	X	X	X					
10	INTERCONNECTION	X	X	X	X					
11	INTERCONNECTION	X	X	X	X					
12	INTERCONNECTION	X	X	X	X					

Foglio Sheet	Descrizione Description	Revisioni Revisions 1	2	3	4	5	6	7	8	9

REV.	MOD.	DATE	SIGN
04	ISSUE FOR INFORMATION (IFI)	19/12/24	
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DATE	02/07/2024
DRN	F.M.
CHKD	S.S.
APPD	M.G.

ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

INDEX

ROSETTI MARINO

1724000049-HV-DG-00024

FG. 2
F.S. 3

Symbol	Description	Symbol	Description	Symbol	Description
TR	VOLTAGE TRANSFORMER		SONIC INDICATOR	F.	FUSE
TA	CURRENT TRANSFORMER	*	INDICATOR INSTRUMENT		CONTACT N.O.
M ~	MOTOR IN C.A.		SELECTOR SWITCH		CONTACT N.C.
	GROUND : GENERAL SYMBOL	52.	SWITCH		COMMUTATION CONTACT
L..	SIGNAL LAMP	52.	AUTOMATIC CIRCUIT BREAKER	P	CONTACT ACTUATED BY A PRESSURE
L..	SIGNAL LAMP + HEATER	52. Id	DIFFERENTIAL AUTOMATIC BREAKER		CONTACT ACTUATED BY A FLOW
L..	SIGNAL LAMP + VOLTAGE TRANSF.	89.	DISCONNECTING SWITCH		CONTACT ACTUATED BY A LEVEL
E	SIGNAL LAMP–PUSH BUTTON	89.	LOADED CIRCUIT BREAKER		CONTACT ACTUATED BY A TEMPERATURE
E	CLOSING BUTTON	89.	FUSE DISCONNECTING SWITCH	2 3 4	TERMINAL STRIP
E	OPENING BUTTON	6.	CONTACTOR		SQUARE POWER TERMINAL CLAMP
	ROTARY SWITCH	6..	CONTACTOR COIL		SQUARE AUX. TERMINAL CLAMP
T..	CONTACT DELAYED TO THE ATTRACTION N.O.		AUXILIARY RELAY COIL		REMOTE TERMINAL CLAMP
T..	CONTACT DELAYED TO THE ATTRACTION N.C.	T..	TIMER WITH DELAY TO THE ATTRACTION		ONE–PHASE SYSTEM + NEUTRAL
T..	CONTACT DELAYED TO THE RE–DROP N.O.	T..	TIMER WITH DELAY TO THE RE–DROP		THREE–PHASE SYSTEM
T..	CONTACT DELAYED TO THE RE–DROP N.C.	49..	THERMAL RELAY		THREE–PHASE SYSTEM + NEUTRAL
79.	LIMIT SWITCH N.O.		HEATING ELEMENT		
79.	LIMIT SWITCH N.C.		ELECTROVALVE		

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ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

SIMBOL LIST

ROSETTI MARINO

1724000049-HV-DG-00024

F.G. 3

F.S. 4

B300-HSB-001
PANEL SIDE

+QG - XM1

MOTOR 1

HHU-77005
HJB-77005A

+QG - XM1

MOTOR 1

U1A	1	77309-CEL-L1	4G2.5	XLPE/UNEL S2	1 U1A
V1A	2				2 V1A
W1A	3				3 W1A
U2A	4	77310-CEL-L1	4G4	XLPE/UNEL S2	4 U2A
V2A	5				5 V2A
W2A	6				6 W2A
U3A	7	77311-CEL-L1	4G10	XLPE/UNEL S2	7 U3A
V3A	8				8 V3A
W3A	9				9 W3A
U4A	10	77312-CEL-L1	4G10	XLPE/UNEL S2	10 U4A
V4A	11				11 V4A
W4A	12				12 W4A
U5A.1	13	77313-CEL-L1	4G2.5	XLPE/UNEL S2	13 U5A.1
V5A.1	14				14 V5A.1
W5A.1	15				15 W5A.1
U5A.1	16	77314-CEL-L1	4G2.5	XLPE/UNEL S2	16 U5A.1
V5A.1	17				17 V5A.1
W5A.1	18				18 W5A.1

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ALEXSISTEMI spa

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BASE LOAD POWER HUB (BLPH)
B-300

EXTERNAL VIEW

ROSETTI MARINO

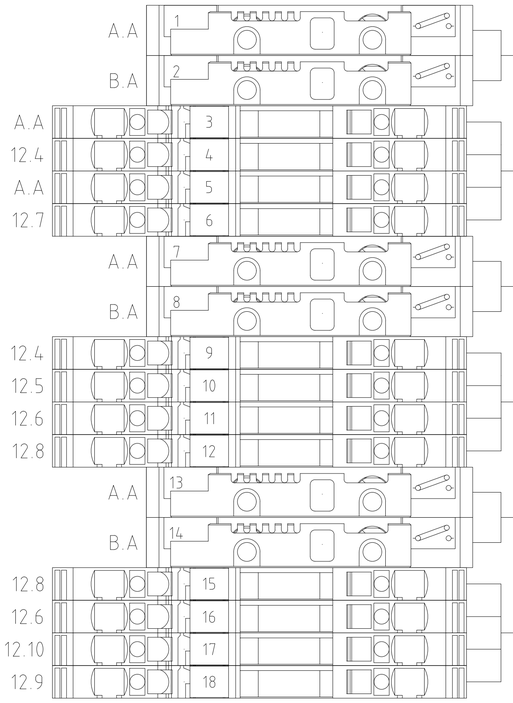
1724000049-HV-DG-00024

F.G. 4

F.S. 5

B300-HSB-001
PANEL SIDE

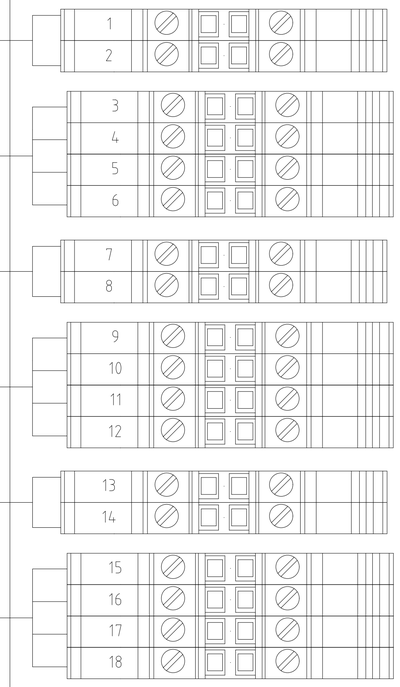
+QG - XMD1
MOTORISED DAMPER 1



77315-CEL-L2	3G1.5	XLPE/UNEL S2
77308-CEC-L2	4X1.5	XLPE/UNEL S2
77316-CEL-L2	3G1.5	XLPE/UNEL S2
77309-CEC-L2	4X1.5	XLPE/UNEL S2
77317-CEL-L2	3G1.5	XLPE/UNEL S2
77310-CEC-L2	4X1.5	XLPE/UNEL S2

HHU-77005
HJB-77005B

+QG - XMD1
MOTORISED DAMPER 1



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ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

INTERCONNECTION

ROSETTI MARINO

1724000049-HV-DG-00024

FG. 5
F.S. 6

B300-HSB-001
PANEL SIDE

+QG - XA1
AUXILIARY 1

A.A	100	77311-CEC-L1	2X1.5	XLPE/UNEL S2	100
13.10	101				101
13.7	102	77312-CEC-L1	2X1.5	XLPE/UNEL S2	102
13.8	103				103
+24VDC	104	77313-CEC-L1	2X1.5	XLPE/UNEL S2	104
26.6	105				105
13.6	106	77314-CEC-L1	2X1.5	XLPE/UNEL S2	106
B.A	107				107
14.1	108	77315-CEC-L1	2X1.5	XLPE/UNEL S2	108
B.A	109				109
14.13	110	77316-CEC-L1	2X1.5	XLPE/UNEL S2	110
B.A	111				111
15.1	112	77317-CEC-L1	2X1.5	XLPE/UNEL S2	112
B.A	113				113
A.A	114	77347-CEC-L1	2X1.5	XLPE/UNEL S2	114
15.2	115				115
A.A	116	77319-CEC-L1	2X1.5	XLPE/UNEL S2	116
15.3	117				117
11.9	118	77320-CEC-L1	2X1.5	XLPE/UNEL S2	118
11.11	119				119
A.A	120	77321-CEC-L1	2X1.5	XLPE/UNEL S2	120
15.8	121				121
15.10	122	77322-CEC-L1	2X1.5	XLPE/UNEL S2	122
15.12	123				123
A.A	124	77323-CEC-L1	2X1.5	XLPE/UNEL S2	124
14.7	125				125
A.A	126	77324-CEC-L1	2X1.5	XLPE/UNEL S2	126
14.9	127				127
A.A	128	77349-CEC-L1	2X1.5	XLPE/UNEL S2	128
15.6	129				129

HHU-77005
HJB-77005B

+QG - XA1
AUXILIARY 1

100	
101	
102	
103	
104	
105	
106	
107	
108	
109	
110	
111	
112	
113	
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ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

INTERCONNECTION

ROSETTI MARINO

1724000049-HV-DG-00024

FG. 6
F.S. 7

B300-HSB-001
PANEL SIDE

+QG - XM2

MOTOR 2

HHU-77006
HJB-77006A

U1B	1	77318-CEL-L1	4G2.5	XLPE/UNEL S2	1 U1B
V1B	2				2 V1B
W1B	3				3 W1B
U2B	4	77319-CEL-L1	4G4	XLPE/UNEL S2	4 U2B
V2B	5				5 V2B
W2B	6				6 W2B
U3B	7	77320-CEL-L1	4G10	XLPE/UNEL S2	7 U3B
V3B	8				8 V3B
W3B	9				9 W3B
U4B	10	77321-CEL-L1	4G10	XLPE/UNEL S2	10 U4B
V4B	11				11 V4B
W4B	12				12 W4B
U5B	13	77322-CEL-L1	4G2.5	XLPE/UNEL S2	13 U5B
V5B	14				14 V5B
W5B	15				15 W5B
U5B	16	77323-CEL-L1	4G2.5	XLPE/UNEL S2	16 U5B
V5B	17				17 V5B
W5B	18				18 W5B

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ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

INTERCONNECTION

ROSETTI MARINO

1724000049-HV-DG-00024

FG. 7
F.S. 8

B300-HSB-001
PANEL SIDE

+QG - XMD2
MOTORISED DAMPER 2

20.3	200	
B.B	201	
A.B	202	
20.5	203	
A.B	204	
20.8	205	
20.3	206	
B.B	207	
20.5	208	
20.6	209	
20.8	210	
20.9	211	
20.3	212	
B.B	213	
20.6	214	
20.7	215	
20.9	216	
20.10	217	

77324-CEL-L2	3G1.5	XLPE/UNEL S2
77325-CEC-L2	4X1.5	XLPE/UNEL S2
77326-CEL-L2	3G1.5	XLPE/UNEL S2
77327-CEC-L2	4X1.5	XLPE/UNEL S2
77328-CEL-L2	3G1.5	XLPE/UNEL S2
77329-CEC-L2	4X1.5	XLPE/UNEL S2

HHU-77006
HJB-77006B

+QG - XMD2
MOTORISED DAMPER 2

200	
201	
202	
203	
204	
205	
206	
207	
208	
209	
210	
211	
212	
213	
214	
215	
216	
217	

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ALEXSISTEMI spa

CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

INTERCONNECTION

ROSETTI MARINO

1724000049-HV-DG-00024

F.G. 8
F.S. 9

B300-HSB-001
PANEL SIDE

+QG - XA2
AUXILIARY 2

HHU-77006
HJB-77006B

+QG - XA2
AUXILIARY 2

A.B	300	77328-CEC-L1	2X1.5	XLPE/UNEL S2	300
13.11	301				301
21.6	302	77329-CEC-L1	2X1.5	XLPE/UNEL S2	302
21.7	303				303
+24VDC	304	77330-CEC-L1	2X1.5	XLPE/UNEL S2	304
26.7	305				305
21.5	306	77331-CEC-L1	2X1.5	XLPE/UNEL S2	306
B.B	307				307
22.1	308	77332-CEC-L1	2X1.5	XLPE/UNEL S2	308
B.A	309				309
22.13	310	77333-CEC-L1	2X1.5	XLPE/UNEL S2	310
B.A	311				311
23.1	312	77334-CEC-L1	2X1.5	XLPE/UNEL S2	312
B.A	313				313
A.B	314	77350-CEC-L1	2X1.5	XLPE/UNEL S2	314
15.2	315				315
A.B	316	77336-CEC-L1	2X1.5	XLPE/UNEL S2	316
15.3	317				317
19.3	318	77337-CEC-L1	2X1.5	XLPE/UNEL S2	318
19.4	319				319
A.B	320	77338-CEC-L1	2X1.5	XLPE/UNEL S2	320
15.9	321				321
23.4	322	77339-CEC-L1	2X1.5	XLPE/UNEL S2	322
15.13	323				323
A.B	324	77340-CEC-L1	2X1.5	XLPE/UNEL S2	324
14.7	325				325
A.B	326	77341-CEC-L1	2X1.5	XLPE/UNEL S2	326
14.9	327				327
A.B	328	77348-CEC-L1	2X1.5	XLPE/UNEL S2	328
23.6	329				329

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ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

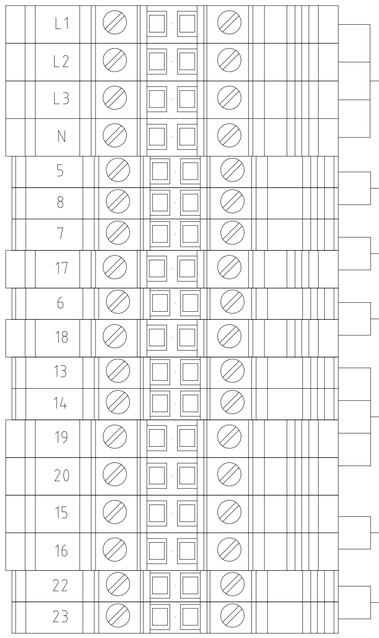
INTERCONNECTION

ROSETTI MARINO

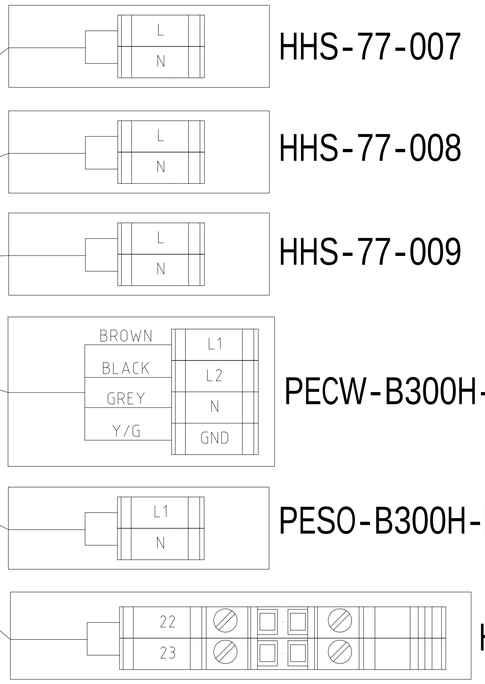
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FG. 9
F.S. 10

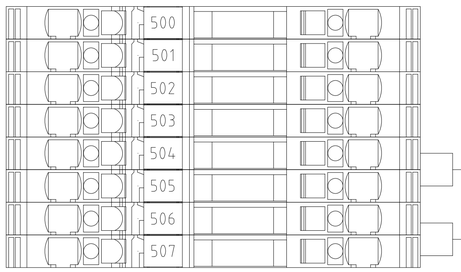
B300-HSB-001
PANEL SIDE
+QG - XP1
POWER SUPPLY 1



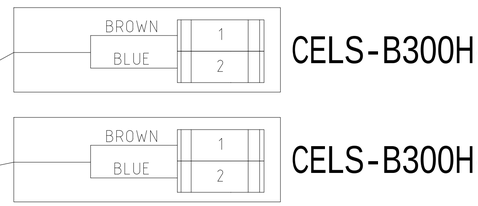
POWER SUPPLY	5G16	FROM CLIENT	HHS-77-007
77301-CEL-L1	3G2.5	XLPE/UNEL S2	HHS-77-008
77302-CEL-L2	3G2.5	XLPE/UNEL S2	HHS-77-009
77303-CEL-L3	3G2.5	XLPE/UNEL S2	
77304-CEL-L1	5G2.5	XLPE/UNEL S2	PECW-B300H-F1-L1-02
77308-CEL-L2	3G2.5	XLPE/UNEL S2	
HEATING CABLE	2X1.5	XLPE/UNEL S2	PESO-B300H-F2-L2-01
			HJB-7700XXX



+QG - XC
COMMAND



77301-CEC-L1	2X1.5	XLPE/UNEL S2	CELS-B300H-F1-L1-01
77302-CEC-L1	2X1.5	XLPE/UNEL S2	CELS-B300H-F1-L1-02



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ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300
INTERCONNECTION

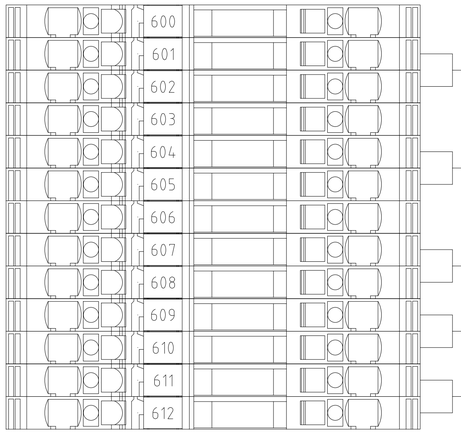
ROSETTI MARINO

1724000049-HV-DG-00024

FG. 10
F.S. 11

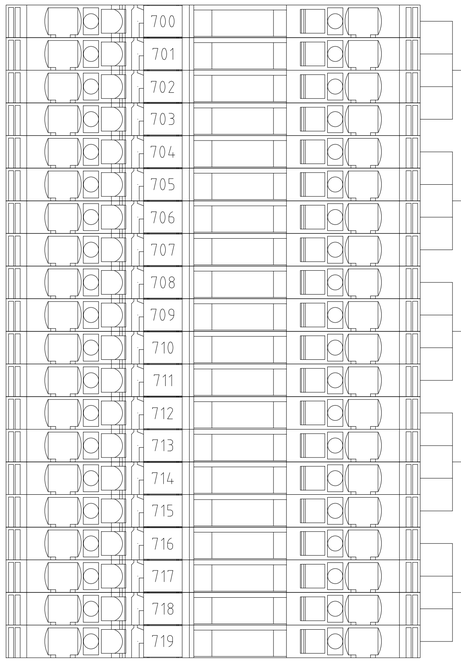
B300-HSB-001
PANEL SIDE

+QG - XT
TRASMITTER



77353-CEC-L1	3X1.5+Sh	XLPE/UNEL S2	77-TT-301 (+Vdc, Out mA; 1, 2)
77354-CEC-L1	3X1.5+Sh	XLPE/UNEL S2	77-TT-302 (+Vdc, Out mA; 1, 2)
77355-CEC-L1	3X1.5+Sh	XLPE/UNEL S2	77-TP-301 (BROWN, BLACK; 1, 2)
77351-CEC-L1	3X1.5+Sh	XLPE/UNEL S2	77-TT-303 (+Vdc, Out mA; 1, 2)
77352-CEC-L1	3X1.5+Sh	XLPE/UNEL S2	77-TT-304 (+Vdc, Out mA; 1, 2)

+QG - XFD
FIRE DAMPER



77342-CEC-L2	4X1.5	XLPE/UNEL S2	HFD-77007 (+, –, PE)
77343-CEC-L2	4X1.5	XLPE/UNEL S2	HFD-77008 (+, –, PE)
77344-CEC-L2	4X1.5	XLPE/UNEL S2	HFD-77009 (+, –, PE)
77345-CEC-L2	4X1.5	XLPE/UNEL S2	HFD-77010 (+, –, PE)
77346-CEC-L2	4X1.5	XLPE/UNEL S2	HFD-77011 (+, –, PE)

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ALEXSISTEMI spa

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BASE LOAD POWER HUB (BLPH)
B-300

INTERCONNECTION

ROSETTI MARINO

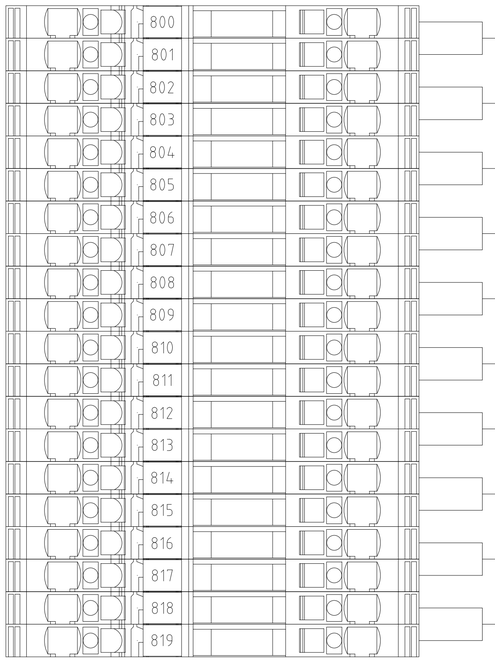
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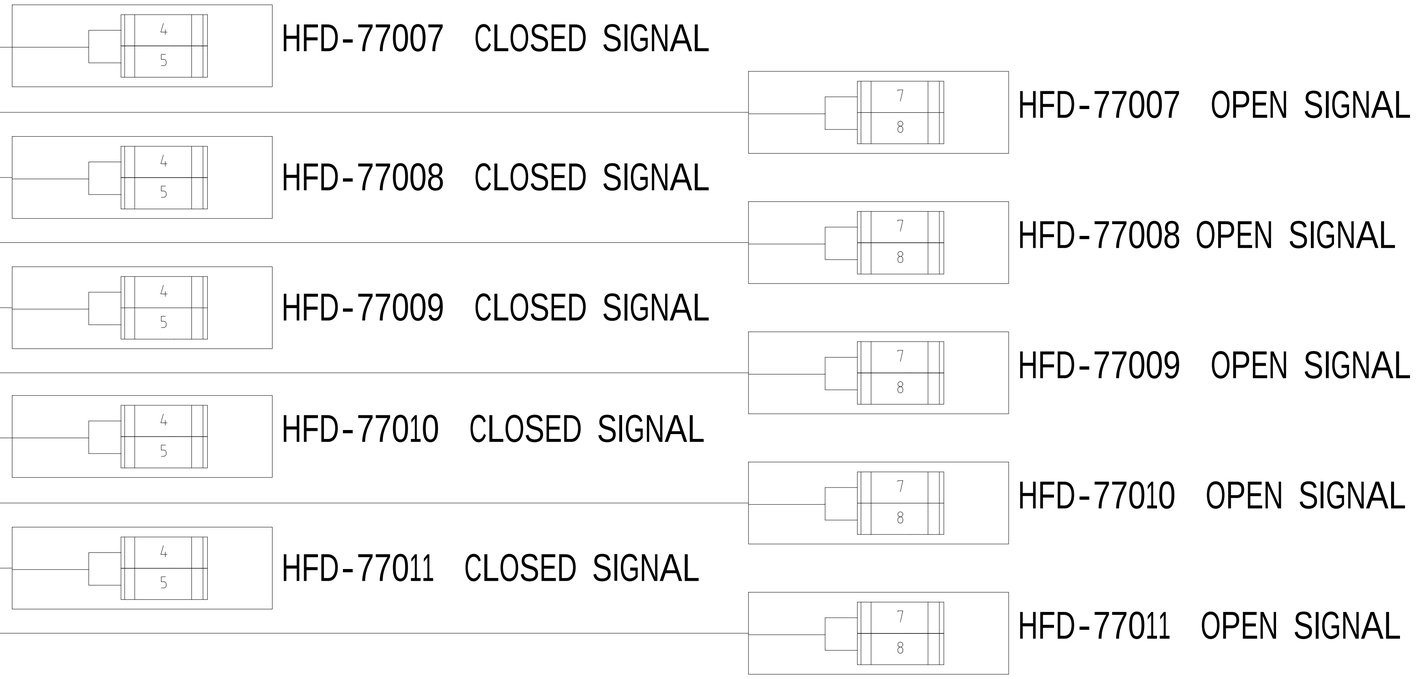
F.G. 11
F.S. 12

B300-HSB-001
PANEL SIDE

+QG - XFD/S

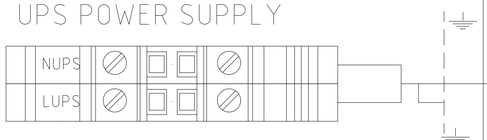
FIRE DAMPERS SIGNAL TO SIS





+QG - XUPS

UPS POWER SUPPLY



UPS POWER SUPPLY 3G2.5 FROM CLIENT

REV.	MOD.	DATE	SIGN		
04	ISSUE FOR INFORMATION (IFI)	19/12/24		DATE	02/07/2024
03	ISSUE FOR INFORMATION (IFI)	14/11/24		DRN	F.M.
02	ISSUE FOR INFORMATION (IFI)	15/10/24	F.M.	CHKD	S.S.
				APPD	M.G.

ALEXSISTEMI spa

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-300

INTERCONNECTION

ROSETTI MARINO

1724000049-HV-DG-00024

FG. 12
F.S. /