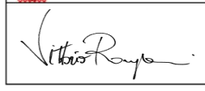
BASE LOAD POWER HUB (BLPH)

NAVIGATION AIDS SYSTEM

MATERIAL LIST & BILL OF MATERIAL

ROSETTI MARINO	
1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED
NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.	
Sign	Date
	06/11/2024

03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
02	19/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) MATERIAL LIST & BILL OF MATERIAL FRONT PAGE

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 001 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

REV. No.	SHEET No.	DESCRIPTION	REF. CODE
03	001	FRONT PAGE	
03	002	SUMMARY AND GENERAL NOTES	
03	003	MATERIAL LIST & WEIGHTS 1 of 2	
03	004	MATERIAL LIST & WEIGHTS 2 of 2	
03	005	NAVAIDS CENTRAL CONTROL PANEL (NCCP) – MATERIAL LIST 1 of 4	
03	006	NAVAIDS CENTRAL CONTROL PANEL (NCCP) – MATERIAL LIST 2 of 4	
03	007	NAVAIDS CENTRAL CONTROL PANEL (NCCP) – MATERIAL LIST 3 of 4	
03	008	NAVAIDS CENTRAL CONTROL PANEL (NCCP) – MATERIAL LIST 4 of 4	
03	009	NAVAIDS BATTERY BREAKER – MATERIAL LIST 1 of 1	
03	010	PHOTOCELL SYSTEM – MATERIAL LIST 1 of 1	
03	011	SPARE PARTS FOR COMMISSIONING AND START-UP – MATERIAL LIST 1 of 1	
03	012	SPARE PARTS FOR TWO AND MORE YEARS – MATERIAL LIST 1 of 1	

GENERAL NOTES

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

SICE ELETTRONICA sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
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00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
MATERIAL LIST & BILL OF MATERIAL
SUMMARY AND GENERAL NOTES

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 002 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

ITEM	UNIT TAG	TYPE	UNIT DESCRIPTION	MANUFACTURER	Q.TY	UNITARY WEIGHT [kg]	TOTAL WEIGHT [kg]	NOTE
1	NC-200F2/BC-200F2A/B	JB-2416/C NCCP	NAVAIDS CENTRAL CONTROL PANEL (NCCP) c/w BATTERY CHARGER/RECTIFIER – NC-200F2A (SB-577620)	TECHNOR / SICE	1	30	505	*PROVIDED TO CUSTOMER ALREADY ASSEMBLED BY SICE*
2			NAVAIDS CENTRAL CONTROL PANEL (NCCP) c/w BATTERY CHARGER/RECTIFIER – NC-200F2B (EJB-13)	TECHNOR / SICE	1	160		
3			NAVAIDS CENTRAL CONTROL PANEL (NCCP) c/w BATTERY CHARGER/RECTIFIER – NC-200F2C (EJB-13A)	TECHNOR / SICE	1	185		
4			SUPPORT STRUCTURE (AISI316L S.S.) FOR NCCP SUITABLE FOR WALL MOUNTING INSTALLATION	TECHNOR	1	40		
5			SUPPORT STRUCTURE (AISI316L S.S.) FOR NCCP SUITABLE FOR FLOOR MOUNTING INSTALLATION	BIAGIOTTI	1	90		
6	N/A	N/A	2x M12x60-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE PANEL TO THE WALL)	–	1 lot	N/A	N/A	–
7	N/A	N/A	4x M12x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE PANEL TO THE FLOOR)	–	1 lot	N/A	N/A	–
8	EML-200-01	SICE-LXS-YEL-05-1	MAIN MARINE YELLOW LIGHT 1	SICE	1	15	15	–
9	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT ON THE SUPPORT POLE)	–	1 lot			–
10	EML-200-02	SICE-LXS-YEL-05-1	MAIN MARINE YELLOW LIGHT 2	SICE	1	15	15	–
11	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT ON THE SUPPORT POLE)	–	1 lot			–
12	ESL-200-01	SICE-LXS-RED-03-1	BOAT LANDING STATUS LIGHT	SICE	1	15	15	–
13	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT ON THE SUPPORT POLE)	–	1 lot			–
14	N/A	CRP1510	AISI316L S.S. SUPPORT POLE (HEIGHT 1300mm) FOR LIGHT	BIAGIOTTI	1	25	25	–
15	N/A	N/A	4x M10x60-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE SUPPORT POLE TO THE FLOOR)	–	1 lot			–
16	EOL-200-01	L864-LXS-Ex-CS2LJS	MEDIUM INTENSITY OBSTRUCTION LIGHT 1 (CAP168 – GROUP C – 2000cd) – TOP LIGHT	LUXSOLAR	1	15	15	–
17	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT)	–	1 lot			–
18	EOL-200-02	L864-LXS-Ex-CS2LJS	MEDIUM INTENSITY OBSTRUCTION LIGHT 2 (CAP168 – GROUP C – 2000cd) – TOP LIGHT	LUXSOLAR	1	15	15	–
19	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT)	–	1 lot			–
20	EOL-200-03	L864-LXS-Ex-CS2LJS	MEDIUM INTENSITY OBSTRUCTION LIGHT 3 (CAP168 – GROUP C – 2000cd) – INTERMEDIATE LIGHT	LUXSOLAR	1	15	15	–
21	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT)	–	1 lot			–
22	N/A	CRP1510	AISI316L S.S. SUPPORT POLE (HEIGHT 1300mm) FOR LIGHT	BIAGIOTTI	1	25	25	–
23	N/A	N/A	4x M10x60-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE SUPPORT POLE TO THE FLOOR)	–	1 lot			–
24	EOL-200-04	L864-LXS-Ex-CS2LJS	MEDIUM INTENSITY OBSTRUCTION LIGHT 4 (CAP168 – GROUP C – 2000cd) – INTERMEDIATE LIGHT	LUXSOLAR	1	15	15	–
25	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE LIGHT)	–	1 lot			–
26	N/A	CRP1510	AISI316L S.S. SUPPORT POLE (HEIGHT 1300mm) FOR LIGHT	BIAGIOTTI	1	25	25	–
27	N/A	N/A	4x M10x60-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE SUPPORT POLE TO THE FLOOR)	–	1 lot			–
28	EVM-200-01	FD-410EX-MINI-OC-M	VISIBILITY METER	PHAROS MARINE	1	6	6	–
29	N/A	N/A	1x M12x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE VISIBILITY METER ON THE SUPPORT POLE)	–	1 lot			–
30	N/A	CRP1425	AISI316L S.S. SUPPORT POLE (HEIGHT 2000mm) FOR VISIBILITY METER	BIAGIOTTI	1	20	20	–
31	N/A	N/A	4x M10x60-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE SUPPORT POLE TO THE FLOOR)	–	1 lot			–
32	EPH-200-01	GUB/EMH-160+1xFTC	PHOTOCELL SYSTEM	TECHNOR / SICE	1	7	7	–
33	N/A	N/A	4x 8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE ENCLOSURE)	–	1 lot			–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

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CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
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00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
NAVIGATION AIDS SYSTEM
MATERIAL LIST & WEIGHTS 1 of 2

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 003 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

ITEM	UNIT TAG	TYPE	UNIT DESCRIPTION	MANUFACTURER	Q.TY	UNITARY WEIGHT [kg]	TOTAL WEIGHT [kg]	NOTE
34	CB-200F2	JB-2416/C CUT-OFF	NAVAIDS BATTERY BREAKER (EJB-5)	TECHNOR / SICE	1	25	25	–
35	N/A	N/A	4x M8x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE JUNCTION BOX TO THE WALL)	–	1 lot			–
36	ETM-200-01	TS-CTL	TEMPERATURE PROBE (PT100 Ex -20°C/+50°C)	TERMICS	1	2	2	–
37	BA-200F2	SMG1680	BATTERY CELL FOR NAVIGATION AIDS BATTERY BANK (VRLA GEL – C10=1680Ah @1.80V/CELL 20°C)	FIAMM	12	1344	1570	*PROVIDED TO CUSTOMER ALREADY ASSEMBLED BY SICE*
38		N/A	CELL INTERCONNECTING ACCESSORIES	FIAMM	1 lot			
39		BTBX-EXCM GS Ex	AISI316L S.S. BATTERY BOX FOR NAVAIDS BATTERY BANK	PHAROS	1	225		
40	N/A	N/A	4x M12x40-A4 FIXING SCREWS/NUTS/WASHERS (TO FIX THE BATTERY BOX TO THE FLOOR)	–	1 lot	N/A	N/A	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

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CROSSWIND | ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
NAVIGATION AIDS SYSTEM
MATERIAL LIST & WEIGHTS 2 of 2

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 004 | REV. 03

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

F.to UNI A3: 420mmx297mm

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
Q1	AUTOMATIC CIRCUIT BREAKER (MCB)	S802P D100 2P	2CCG001242R0001	1	ABB	–
Q1	AUXILIARY CONTACT FOR MCB	S800–AUX	A120680	1	ABB	–
Q2	AUTOMATIC CIRCUIT BREAKER (MCB)	S302P D16 2P	S302PD16	1	ABB	–
Q2	AUXILIARY CONTACT FOR MCB	S2C–H6R	A563826	1	ABB	–
Q3	AUTOMATIC CIRCUIT BREAKER (MCB)	S302P D16 2P	S302PD16	1	ABB	–
Q3	AUXILIARY CONTACT FOR MCB	S2C–H6R	A563826	1	ABB	–
Q4	AUTOMATIC CIRCUIT BREAKER (MCB)	S202M D10 2P	S600477	1	ABB	–
Q4	AUXILIARY CONTACT FOR MCB	S2C–H6R	A563826	1	ABB	–
Q5	AUTOMATIC CIRCUIT BREAKER (MCB)	S202M D10 2P	S600477	1	ABB	–
Q5	AUXILIARY CONTACT FOR MCB	S2C–H6R	A563826	1	ABB	–
Q6	AUTOMATIC CIRCUIT BREAKER (MCB)	SN201 D10 1P+N	SN201D10	1	ABB	–
Q6	AUXILIARY CONTACT FOR MCB	SN201–IH	SN201–IH	1	ABB	–
Q7	AUTOMATIC CIRCUIT BREAKER (MCB)	SN201 D10 1P+N	SN201D10	1	ABB	–
Q7	AUXILIARY CONTACT FOR MCB	SN201–IH	SN201–IH	1	ABB	–
Q8	AUTOMATIC CIRCUIT BREAKER (MCB)	SN201 C4 1P+N	SN201C4	1	ABB	–
Q9	AUTOMATIC CIRCUIT BREAKER (MCB)	SN201 C4 1P+N	SN201C4	1	ABB	–
Q10	AUTOMATIC CIRCUIT BREAKER (MCB)	SN201 C4 1P+N	SN201C4	1	ABB	–
Q11	AUTOMATIC (ONLY MAGNETIC) CIRCUIT BREAKER (MCB)	S202 D10 2P	530583	1	ABB	–
K1	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–
K2	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–
K3	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–
K4	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–
K5	INTERFACE RELAY (Vcoil = 24VDC) COMPLETE WITH SOCKET	TRS 24VDC 1CO	–	1	WEIDMULLER	–
K6	INTERFACE RELAY (Vcoil = 24VDC) COMPLETE WITH SOCKET	TRS 24VDC 1CO	–	1	WEIDMULLER	–
K7	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–
K8	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–
K9	INTERFACE RELAY (Vcoil = 24VDC) COMPLETE WITH SOCKET	TRS 24VDC 1CO	–	1	WEIDMULLER	–
K10	POWER RELAY (Vcoil = 24VDC)	55.32.9.024.0094	–	1	FINDER	–
K10	DIN RAIL SOCKET FOR POWER RELAY	94.04	–	1	FINDER	–
K11	INTERFACE RELAY FOR SIL2 SAFETY APPLICATIONS (2 NO + 1 NC – Vcoil = 24VDC)	7S.23.9.024.0210	–	1	FINDER	–
K12	INTERFACE RELAY FOR SIL2 SAFETY APPLICATIONS (2 NO + 1 NC – Vcoil = 24VDC)	7S.23.9.024.0210	–	1	FINDER	–
K13	INTERFACE RELAY FOR SIL2 SAFETY APPLICATIONS (2 NO + 1 NC – Vcoil = 24VDC)	7S.23.9.024.0210	–	1	FINDER	–
K14	INTERFACE RELAY FOR SIL2 SAFETY APPLICATIONS (2 NO + 1 NC – Vcoil = 24VDC)	7S.23.9.024.0210	–	1	FINDER	–
ACO1	KM1 – POWER CONTACTOR (230Vac)	1BG1201A230	–	1	LOVATO	–
ACO1	KM1 – AUXILIARY CONTACTS (1xNO + 1xNC) FOR POWER CONTACTOR	11BGX1011	–	1	LOVATO	–
ACO1	KM2 – POWER CONTACTOR (230Vac)	1BG1201A230	–	1	LOVATO	–
ACO1	KM2 – AUXILIARY CONTACTS (1xNO + 1xNC) FOR POWER CONTACTOR	11BGX1011	–	1	LOVATO	–
ACO1	KM1/KM2 – MECHANICAL INTERLOCK BETWEEN TWO POWER CONTACTORS	11BGX5000	–	1	LOVATO	–
KE1	INSULATION MONITORING RELAY (24VDC)	RI–R48	–	1	CONTREL	–
KE2	INSULATION MONITORING RELAY (230VAC)	RI–R22	–	1	CONTREL	–
KE3	INSULATION MONITORING RELAY (230VAC)	RI–R22	–	1	CONTREL	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–6

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CROSSWIND | ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
MATERIAL LIST 1 of 4

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–LIS–00009 | SHEET 005 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–LIS–00009 REV.3.DWG

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
KU1	UNDERCURRENT MONITORING RELAY (230VAC) (2mA – 500mA)	K8AK–AS1 100–240VAC	–	1	OMRON	–
KU2	UNDERCURRENT MONITORING RELAY (230VAC) (2mA – 500mA)	K8AK–AS1 100–240VAC	–	1	OMRON	–
KA1	DIGITAL ASTRONOMICAL TIME SWITCH (24VDC)	12.A2.0.024.0000	R2Z2480	1	FINDER	–
BC–200F2A	BATTERY CHARGER MODULE (Vin = 230VAC SINGLE–PHASE, Vout = 24VDC)	RPB–1600–24	–	1	MEAN WELL	–
BC–200F2B	BATTERY CHARGER MODULE (Vin = 230VAC SINGLE–PHASE, Vout = 24VDC)	RPB–1600–24	–	1	MEAN WELL	–
BC–200F2A/BC–200F2B	CN1 CONNECTOR (1 PAIR) FOR BATTERY CHARGER MODULES	–	–	2	MEAN WELL	–
BC–200F2A/BC–200F2B	CN500 CONNECTOR (1 PAIR) FOR BATTERY CHARGER MODULES	–	–	2	MEAN WELL	–
NA1	MODULAR MEASUREMENT TRANSDUCER (24VDC)	EMT–1C/50	–	1	CONTREL	–
NA2	MODULAR MEASUREMENT TRANSDUCER (24VDC)	EMT–1C/300 LV	–	1	CONTREL	–
INV1	POWER INVERTER MODULE (Vin = 24VDC, Vout = 230VAC)	PHOENIX 24/250	–	1	VICTRON ENERGY	–
INV2	POWER INVERTER MODULE (Vin = 24VDC, Vout = 230VAC)	PHOENIX 24/250	–	1	VICTRON ENERGY	–
CG1	CODER/DRIVER CIRCUIT FOR MARINE SIGNAL LIGHT	SICE266–10NM	–	1	SICE	–
CG2	CODER/DRIVER CIRCUIT FOR MARINE SIGNAL LIGHT	SICE266–10NM	–	1	SICE	–
CG3	CODER/DRIVER CIRCUIT FOR BOAT LANDING STATUS LIGHT	SICE266–10NM	–	1	SICE	–
J1	TERMINAL BLOCK FOR CPU (SICE255) COMPLETE WITH FLAT CABLE (16 POLES)	RSF–16	022516	1	WEIDMULLER	–
Z1	EMI FILTER FOR 24VDC POWER SUPPLY LINE	FN2060–16/06	–	1	SCHAFFNER	–
CPU1	CENTRAL PROCESSING UNIT	SICE255	–	1	SICE	–
CPU2	CENTRAL PROCESSING UNIT	SICE255	–	1	SICE	–
DI1	DIGITAL INPUT MODULE	SICE256	–	1	SICE	–
DI2	DIGITAL INPUT MODULE	SICE256	–	1	SICE	–
LCD1	FRONTAL DISPLAY PANEL	SICE259	–	1	SICE	–
SA1	SURGE PROTECTION DEVICE (TYPE 3) (3kA)	7P.37.8.275.1003	–	1	FINDER	–
SA2	SURGE PROTECTION DEVICE (TYPE 3) (3kA)	7P.37.8.275.1003	–	1	FINDER	–
SA3	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA4	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA5	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA6	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA7	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA8	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA9	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
SA10	SURGE PROTECTION DEVICE (TYPE 2) WITH REPLACEABLE VARISTOR MODULE (20kA)	7P.21.8.275.1020	–	1	FINDER	–
S1	3–POSITION STEP SWITCH (DP3T) FOR Ex–d ENCLOSURE	PSRC–C 220	–	1	TECHNOR	–
P1	BLACK PUSH–BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex–d ENCLOSURE	PLA10 (BLACK)	–	1	TECHNOR	–
P1	N.O. CONTACT FOR PLA PUSH–BUTTON	–	–	1	TECHNOR	–
P2	BLACK PUSH–BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex–d ENCLOSURE	PLA10 (BLACK)	–	1	TECHNOR	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–6

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01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
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TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
MATERIAL LIST 2 of 4

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–LIS–00009 | SHEET 006 | REV. 03

File Name : 1724000775–EL–LIS–00009 REV.3.DWG

F.to UNI A3: 420mmx297mm

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
P2	N.O. CONTACT FOR PLA PUSH-BUTTON	–	–	1	TECHNOR	–
P3	BLACK PUSH-BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex-d ENCLOSURE	PLA10 (BLACK)	–	1	TECHNOR	–
P3	N.O. CONTACT FOR PLA PUSH-BUTTON	–	–	1	TECHNOR	–
P4	BLACK PUSH-BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex-d ENCLOSURE	PLA10 (BLACK)	–	1	TECHNOR	–
P4	N.O. CONTACT FOR PLA PUSH-BUTTON	–	–	1	TECHNOR	–
P5	GREEN PUSH-BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex-d ENCLOSURE	PLA30 (GREEN)	–	1	TECHNOR	–
P5	N.O. CONTACT FOR PLA PUSH-BUTTON	–	–	1	TECHNOR	–
P6	RED PUSH-BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex-d ENCLOSURE	PLA20 (RED)	–	1	TECHNOR	–
P6	N.O. CONTACT FOR PLA PUSH-BUTTON	–	–	1	TECHNOR	–
P7	BLACK PUSH-BUTTON SUITABLE TO BE INSTALLED ON THE COVER OF Ex-d ENCLOSURE	PLA10 (BLACK)	–	1	TECHNOR	–
P7	N.O. CONTACT FOR PLA PUSH-BUTTON	–	–	1	TECHNOR	–
X1-1/2	95sqmm TERMINAL	WDU95N/120N	–	2	WEIDMULLER	–
X1-3...6	16sqmm TERMINAL	WDU16	–	4	WEIDMULLER	–
X1-7...16	4sqmm TERMINAL	WDU4	–	10	WEIDMULLER	–
X1-PE	35sqmm EARTH TERMINAL	WPE35	–	1	WEIDMULLER	–
X1-PE	16sqmm EARTH TERMINAL	WPE16	–	2	WEIDMULLER	–
X1-PE	4sqmm EARTH TERMINAL	WPE4	–	2	WEIDMULLER	–
X2-1/2	4sqmm TERMINAL	WDU4	–	2	WEIDMULLER	–
X2-3...13	2.5sqmm TERMINAL	WDU2.5	–	11	WEIDMULLER	–
X2-IE	2.5sqmm TERMINAL	WDU2.5	–	4	WEIDMULLER	–
X3-1...8	2.5sqmm TERMINAL	WDU2.5	–	8	WEIDMULLER	–
X3-IE	2.5sqmm TERMINAL	WDU2.5	–	4	WEIDMULLER	–
X4-1...6	6sqmm TERMINAL	WDU6	–	6	WEIDMULLER	–
X4-7...14	4sqmm TERMINAL	WDU4	–	8	WEIDMULLER	–
X4-PE	10sqmm EARTH TERMINAL	WPE10	–	1	WEIDMULLER	–
X4-PE	4sqmm EARTH TERMINAL	WPE4	–	2	WEIDMULLER	–
X5-1...11	2.5sqmm TERMINAL	WDU2.5	–	11	WEIDMULLER	–
X5-PE	10sqmm EARTH TERMINAL	WPE10	–	1	WEIDMULLER	–
X6-1...12	4sqmm TERMINAL	WDU4	–	12	WEIDMULLER	–
X6-PE	10sqmm EARTH TERMINAL	WPE10	–	1	WEIDMULLER	–
X6-PE	4sqmm EARTH TERMINAL	WPE4	–	2	WEIDMULLER	–
X7-1...12	4sqmm TERMINAL	WDU4	–	12	WEIDMULLER	–
X7-13...18	35sqmm TERMINAL	WDU35	–	6	WEIDMULLER	–
X7-19...22	4sqmm TERMINAL	WDU4	–	4	WEIDMULLER	–
X7-PE	10sqmm EARTH TERMINAL	WPE10	–	1	WEIDMULLER	–
X7-PE	4sqmm EARTH TERMINAL	WPE4	–	2	WEIDMULLER	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
02	19/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
MATERIAL LIST 3 of 4

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 007 | REV. 03

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

F.to UNI A3: 420mmx297mm

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
X8–1...23	2.5sqmm TERMINAL	WDU2.5	–	23	WEIDMULLER	–
X8–PE	6sqmm EARTH TERMINAL	WPE6	–	1	WEIDMULLER	–
X8–PE	10sqmm EARTH TERMINAL	WPE10	–	1	WEIDMULLER	–
X9–1...8	6sqmm TERMINAL	WDU6	–	8	WEIDMULLER	–
X9–9...12	4sqmm TERMINAL	WDU4	–	4	WEIDMULLER	–
X9–PE	10sqmm EARTH TERMINAL	WPE10	–	1	WEIDMULLER	–
–	EX–PROOF ENCLOSURE (Ex–eb IIC T6) SUITABLE FOR WALL–MOUNTING	SB–577620	–	1	TECHNOR	–
–	EX–PROOF ENCLOSURE (Ex–db IIB+H2 T6) SUITABLE FOR WALL–MOUNTING	EJB–13	–	1	TECHNOR	–
–	EX–PROOF ENCLOSURE (Ex–db IIB+H2 T6) SUITABLE FOR WALL–MOUNTING	EJB–13A	–	1	TECHNOR	–
–	MOUNTING PLATE FOR EX–PROOF ENCLOSURE (520x710mm)	–	–	1	TECHNOR	–
–	MOUNTING PLATE FOR EX–PROOF ENCLOSURE (463x683mm)	–	–	1	TECHNOR	–
–	MOUNTING PLATE FOR EX–PROOF ENCLOSURE (463x683mm)	–	–	1	TECHNOR	–
–	AISI316L S.S. SUPPORT STRUCTURE SUITABLE FOR WALL MOUNTING	–	–	1	TECHNOR	–
–	AISI316L S.S. SUPPORT STRUCTURE SUITABLE FOR FLOOR MOUNTING	SS–JB–2416/C–01	–	1	BIAGIOTTI	–

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
Q1	AUTOMATIC CIRCUIT BREAKER (MCCB)	XT1C 160 FF TMD100 4P	1SDA 067406 R1	1	ABB	–
Q1	AUXILIARY CONTACT FOR MCCB	AUX 24VDC	1SDA 066423 R1	2	ABB	–
Q1	TERMINAL COVER (LOW PROFILE) FOR 4–POLE MCCB	LTC 4P	1SDA 066656 R1	1	ABB	–
Q1	BASE FOR TRANSMITTED HANDLE	RHE_B	1SDA 066483 R1	1	ABB	–
Q1	500mm TRANSMISSION ROD	RHE_S	1SDA 066576 R1	1	ABB	–
F1	6sqmm TERMINAL WITH 5x20 FUSE HOLDER AND FUSE (RATING 0.5A)	WSI6	–	1	WEIDMULLER	–
F2	6sqmm TERMINAL WITH 5x20 FUSE HOLDER AND FUSE (RATING 0.5A)	WSI6	–	1	WEIDMULLER	–
X1–1...4	95sqmm TERMINAL	WDU95N	–	4	WEIDMULLER	–
X1–5/6	2.5sqmm TERMINAL	WDU2.5	–	2	WEIDMULLER	–
X1–PE	10sqmm EARTH TERMINAL	WPE10	–	3	WEIDMULLER	–
X1–PE	2.5sqmm EARTH TERMINAL	WPE2.5	–	1	WEIDMULLER	–
X2–PE	2.5sqmm EARTH TERMINAL	WPE2.5	–	1	WEIDMULLER	–
H1	RED PILOT LIGHT SUITABLE FOR Ex–d ENCLOSURE	PLD20 (RED)	–	1	TECHNOR	–
H1	48VDC L.E.D. FOR PLD PILOT LIGHT	LED LAMP 48V–R	–	1	TECHNOR	–
Q1	ROTATING HANDLE SUITABLE FOR Ex–d ENCLOSURE	–	–	1	TECHNOR	–
–	EX–PROOF ENCLOSURE (Ex–db IIB+H2 T6) SUITABLE FOR WALL–MOUNTING	EJB–5	–	1	TECHNOR	–
–	AISI316 FIXING ACCESSORIES	–	–	1 LOT	SICE	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–6

sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
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00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BREAKER
MATERIAL LIST 1 of 1

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–LIS–00009 | SHEET 009 | REV. 03

File Name : 1724000775–EL–LIS–00009 REV.3.DWG

F.to UNI A3: 420mmx297mm

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
SENSOR 1	Ex-d PHOTOCELL (M25)	FTC M25	-	1	SICE	-
X1-1/2	2.5sqmm TERMINAL	WDU2.5	-	2	WEIDMULLER	-
X1-PE	2.5sqmm EARTH TERMINAL	WPE2.5	-	1	WEIDMULLER	-
-	EX-PROOF ENCLOSURE (Ex-db IIC T6) SUITABLE FOR WALL-MOUNTING	GUB/EMH-160	-	1	TECHNOR	-
-	AISI316 FIXING ACCESSORIES	-	-	1 LOT	SICE	-

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PHOTOCELL SYSTEM
MATERIAL LIST 1 of 1

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 010 | REV. 03

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

F.to UNI A3: 420mmx297mm

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
–	95sqmm TERMINAL	WDU95N/120N	–	1	WEIDMULLER	–
–	35sqmm TERMINAL	WDU35	–	1	WEIDMULLER	–
–	16sqmm TERMINAL	WDU16	–	1	WEIDMULLER	–
–	6sqmm TERMINAL WITH 5x20 FUSE HOLDER AND FUSE (RATING 0.5A)	WSI6	–	1	WEIDMULLER	–
–	6sqmm TERMINAL	WDU6	–	1	WEIDMULLER	–
–	4sqmm TERMINAL	WDU4	–	2	WEIDMULLER	–
–	2.5sqmm TERMINAL	WDU2.5	–	2	WEIDMULLER	–
–	POWER RELAY (Vcoil = 24VDC)	55.34.9.024.0094	–	1	FINDER	–
–	DIN RAIL SOCKET FOR POWER RELAY	94.04	–	1	FINDER	–
–	INTERFACE RELAY (Vcoil = 24VDC) COMPLETE WITH SOCKET (1x CO)	TRS 24VDC 1CO	–	1	WEIDMULLER	–
–	INTERFACE RELAY (Vcoil = 230VAC) COMPLETE WITH SOCKET (1x CO)	TRS 230VAC RC 1CO	–	1	WEIDMULLER	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-6

SICE ELETTRONICA sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
02	19/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
SPARE PARTS FOR COMMISSIONING AND START-UP
MATERIAL LIST 1 of 1

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

A3 | DRAWING NO. 1724000775-EL-LIS-00009 | SHEET 011 | REV. 03

File Name : 1724000775-EL-LIS-00009 REV.3.DWG

F.to UNI A3: 420mmx297mm

MATERIAL LIST

TAG	DESCRIPTION	TYPE	ART. NO.	Q.TY	MANUFACTURER	REMARKS
–	Ex–d PHOTOCELL (M25)	FTC M25	–	1	SICE	–
–	BATTERY CHARGER MODULE (Vin = 230VAC SINGLE–PHASE, Vout = 24VDC)	RPB–1600–24	–	1	MEAN WELL	–
–	POWER INVERTER MODULE (Vin = 24VDC, Vout = 230VAC)	PHOENIX 24/250	–	1	VICTRON ENERGY	–
–	CODER/DRIVER CIRCUIT FOR MARINE SIGNAL LIGHT	SICE266–10NM	–	1	SICE	–
–	CODER/DRIVER CIRCUIT FOR BOAT LANDING STATUS LIGHT	SICE266–10NM	–	1	SICE	–
–	INSULATION MONITORING RELAY (24VDC)	RI–R48	–	1	CONTREL	–
–	INSULATION MONITORING RELAY (230VAC)	RI–R22	–	1	CONTREL	–

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–6

SICE ELETTRONICA sice

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/10/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)
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00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
SPARE PARTS FOR TWO AND MORE YEARS
MATERIAL LIST 1 of 1

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–LIS–00009 | SHEET 012 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–LIS–00009 REV.3.DWG