Base Load Power Hub (BLPH)

SG-200D2 EQUIPMENT DATA SHEET INCLUDING MSDS AND WEIGHT DATA SHEET

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Document Class: 3

ROSETTI MARINO	
1	NO COMMENTS - APPROVED - WORK MAY PROCEED
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Sign	Date
Luca Moscuta	14/11/2024

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Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
00	Issue for Information (IFI)
01	Issue for Information (IFI)
02	Issue for Information (IFI)

HOLDS LIST

No.	Description
1	
2	
3	
4	

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1 LOW VOLTAGE SWITCHBOARD DATA SHEET

	Environmental data	
1	***AMBIENT***	MARINE - OFFSHORE
2	***INSTALLATION***	INDOOR
3	***AMBIENT AIR TEMPERATURE - DELAY AVERAGE MAXIMUM***	35°C
4	***AMBIENT AIR MINIMUM/MAXIMUM TEMPERATURE***	-8,4 ÷ +40°C
5	***RELATIVE HUMIDITY AVERAGE***	95%
6	***RELATIVE HUMIDITY MAXIMUM***	-
7	***POLLUTION LEVEL DEGREE***	VERY LIGHT

	Mechanical Features	
1	***EXTERNAL DEGREE OF PROTECTION***	IP30
2	***INTERNAL DEGREE OF PROTECTION***	IP20
3	***EXTERNAL MECHANICAL IMPACT PROTECTION***	IK10
4	***ACCESSIBILITY***	FRONT
5	***TYPE DESIGNATION***	FORM: 3B (INCOMING) FOMR: 3B (OUTGOING)
6	***COLOUR PAINTING***	RAL 7035
7	***SURFACE NOT PAINTED***	ZINC PLATED OR TROPICALIZED

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	Switchgear Electrical Features	
1	***RATED VOLTAGE (Ue)***	0,8 kV
2	***NOMINAL VOLTAGE (Un)***	0,8 kV
3	***RATED INSULATION VOLTAGE (Ui)***	1 kV
4	***RATED FREQUENCY (Fn)***	50 Hz
5	***RATED IMPULSE WITHSTAND (Uimp)***	4 kV
6	***RATED NORMAL CURRENT (Ir)***	630 A @ 45°C
7	***RATED SHORT TIME WITHSTAND CURRENT (Ik)***	30 kA
8	***RATED DURATION OF SHORT CIRCUIT (tk)***	1 s
9	***RATED PEAK WITHSTAND CURRENT (Ipk)***	63 kA
10	***INTERNAL ARC CLASSIFICATION IAC***	Not Applicable
11	***ARCING CLASS***	Not Applicable
12	***NUMBER OF PHASES***	3
13	***PHASES IDENTIFICATION***	L1-L2-L3
14	***EARTHING CIRCUITS MAIN BUSBAR SECTION***	>300mmq
15	***REFERENCE STANDARDS***	IEC 61439-2
16	***EARTHING SYSTEM***	TN-S
17	***NEUTRAL BUSBAR SIZING***	-

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2 LOW VOLTAGE CIRCUIT BRAKER DATASHEET

ABB E1.2N/E9 1250 Ekip Hi-Touch LSIG 3p WMP

Moving part for Circuit Breaker SACE EMAX2 E1.2N 1250 Three-Pole with solid state release in AC EKIP/HI-TOUCH-LSIG R 1250 fitted with: 4 AUXILIARY CONTACT AND C. BREAKER IN POSITION OPEN-CLOSED 800V

- **Product Main Type:** SACE Emax 2
- **Product Name:** Air Circuit Breaker
- **Current Type:** AC
- **Number of Poles: 3**
- **Power Loss:** 244 W
- **Rated Current (I_n):** 1250 A
- **Rated Impulse Withstand Voltage (U_{imp}):** acc. to IEC 60947-2 12 kV
- **Rated Insulation Voltage (U_i):** AC 1000 V
- **Rated Operational Voltage:** 800 V AC
- **Rated Service Short-Circuit Breaking Capacity (I_{cs}): (800 V AC)** 35 kA
- **Rated Short-time Withstand Current Low Voltage (I_{cw}):** for 1 s 35 kA
- **Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):** (800 V AC) 35 kA
- **Rated Uninterrupted Current (I_u):**1250 A
- **Rated Voltage (U_r):** 800 V
- **Short-Circuit Performance Level:** N
- **Standards:** IEC

* For additional details refer to single line diagram (document number 1723002197-EL-DA-00008-Rev.04)

3 WEIGHT L.V. SWITCHBOARD SG-200D2

1) SWITCHBOARD SG-200D2 UNIT CL01 - WEIGHT ±450Kg

TOTAL WEIGHT 450Kg ± 10%