

RECESSED		WEATHER PROOF		MATERIAL THICKNESS		MATERIAL TYPE		FINISH		CABLE ENTRY		SEPARATED DIVISIONS		COLOUR- MAIN	WHITE	WIDTH (max)	1000	BUSBAR RATING -A	80A	FRONT ACCESS		●
HALF-RECESSED		DUST PROOF		1.2mm		ELECTRO GALVANISED	●	ETCH PRIME		TOP	●	NORMAL SECTION		COLOUR- NORMAL		HEIGHT (max)	1000	FAULT LEVEL -kA	10	REAR ACCESS		
SURFACE	●	HINGED PANELS	●	1.6mm	●	3CR12		BRUSHED		BOTTOM	●	EMERGENCY SECTION	●	COLOUR- EMERGENCY	RED	DEPTH (max)	200	NEUTRAL (full)		SUPPLY: SINGLE CORE		
FLOOR STANDING		SMOKED GLASS DOORS		2.0mm		304 SS		EPOXY COATED	●	GLAND PLATE	●	UPS SECTION 1	●	COLOUR- UPS1	BLUE	EQUIPMENT	ABB SCHNEIDER	EARTH BAR	●	SUPPLY: CABLE		●
DOOR (PER SECTION)	●	C/W NEOPRENE GASKETS				316 SS		STRUCTURED	●	BACK		UPS SECTION 2		COLOUR- UPS2	-	FUTURE EXPANSION	30%	EARTH STUD	●	SUPPLY: BUSBAR		

FOR TENDER

- REVISIONS -			
REV	DATE	DESCRIPTION	SIGN
A	2024-11-08	ISSUED FOR INFORMATION	R.M
TD	2024-12-11	ISSUED FOR TENDER	R.M
TD1	2025-02-10	REVISED AS PER COMMENTS	R.M
TD2	2025-03-14	REVISED AS PER COMMENTS	R.M

- LEGEND -

Legend for electrical symbols:

- TRANSFORMER
- GENERATOR
- SELECTOR SWITCH
- AMMETER
- VOLTMETER
- INDICATOR LIGHT
- FUSE
- METER + CURRENT TRANSFORMERS
(REQUIRES FUSES)
- DIRECT ONLINE METER
- SURGE ARRESTER
- 1 x I_{OA}
1 x I_{SP} SINGLE PHASE CIRCUIT BREAKER
- 1 x I_{OA}
1 x I_{SP} SINGLE PHASE CIRCUIT BREAKER
(D-CURVE)
- 2 x I_{OA}
2 x I_{DP} DOUBLE POLE CIRCUIT BREAKER
- 2 x I_{OA}
2 x I_{DP} DOUBLE POLE CIRCUIT BREAKER
(D-CURVE)
- 3 x I_{OA}
3 x I_{TYPE} THREE PHASE CIRCUIT BREAKER
- 3 x I_{OA}
3 x I_{TYPE} THREE PHASE CIRCUIT BREAKER
(D-CURVE)
- 1 x I_{OA}
1 x I_{SP} SINGLE PHASE ISOLATOR
- 2 x I_{OA}
2 x I_{DP} DOUBLE POLE ISOLATOR
- 3 x I_{OA}
3 x I_{DP} THREE PHASE ISOLATOR
- 3 x I_{OA}
3 x I_{SP} ISOLATOR EARTH LEAKAGE
- 3 x I_{OA}
3 x I_{SP} EARTH LEAKAGE
WITH OVERLOAD PROTECTION
- xxA C --- / --- CONTACTOR
- R --- / --- RELAY
- / --- NORMALLY OPEN CONTACT
- / --- NORMALLY CLOSED CONTACT
- PUSH BUTTON
- T THERMOSTAT
- 24hr / 7day PROGRAMMABLE TIMER

FOR TENDER

- PROJECT -

SANSA



sansa
SOUTH AFRICAN NATIONAL
SPACE AGENCY

APPROVED:	F.L	CREATED:	2025-03-14
CHECKED:	F.L	PLOT DATE:	2023-04-18
DESIGNED:	F.L	SCALE:	NTS
DRAWN:	S.P	FILE:	C:\USER\SEAN\KASSEN\AURET\BICA DRAWINGS - DOCUMENTS\2026 C:\USER\SEAN\KASSEN\AURET\BICA DRAWINGS - DOCUMENTS\2026

- DRAWING DESCRIPTION -	
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NASA DB-UPS-B
SINGLE LINE DIAGRAM

- DRAWING NUMBER -				REV. TD2	
PROJECT #	COMPANY	DISCIPLINE & TYPE	SUB DISCIPLINE & NUMBER		
SMFN-CAI-EE-DR-005_08					

[illegible]