

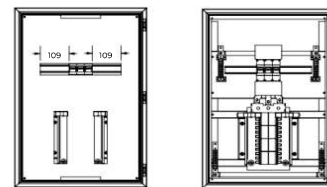
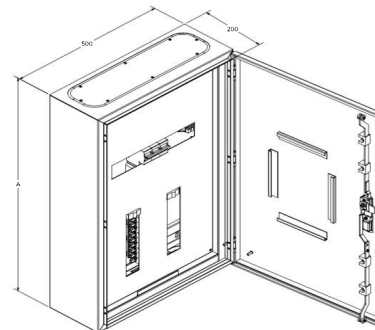
Elekron Baal 160A Distribution Boards (160DB55 Series)

Features

- Compliant to AS/NZ 61439.3
- IP55 protection
- 1.5 mm Electro-Galvanized steel construction
- Suitable for indoor/ undercover outdoor installation
- RAL 7035 grey colour
- 165A Earth and Neutral Bars: one of each on both sides- 6mm dia tunnel (16mm 2 conductor)- 2x M8 main screws
- Encapsulated, tin plated copper busbar 18 mm Pitch
- Available in 24,36,48,60 and 72 poles
- Removable top and bottom gland plate
- lockable (CL001 key) swing handle, with 3 point locking system
- Width:500- Depth: 200- Height: refer to drawing
- Supplied with 3 pole main switch isolator
- Reversible hinged door
- 50% Pole fillers
- safety caps for unused outgoing
- Tested with ABB S200 series circuit breakers

Electrical characteristics

- Rated Current of the assembly $I_nA = 160A$ - RDF= 0.6
- Chassis Short Circuit withstand strength $I_{cw} :25KA/0.1S$
- Main Switch Short Circuit withstand strength $I_{cw} :3 KA/1s$
- Rated current of an outgoing circuit $I_{nc} : 63 A$
- operational Voltage $U_e : 230/415Vac$
- insulation voltage $U_i : 500Vac$
- impulse withstand voltage $U_{imp} : 4KV$
- frequency $F_n : 50HZ$



Number of poles	Part number	Height A (MM)
24	160DB55-24-M	750
36	160DB55-36-M	850
48	160DB55-48-M	1000
60	160DB55-60-M	1100
72	160DB55-72-M	1200

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**Design Verification To AS/NZ 61439.1- Bureau Veritas
test report: BV23C-003**

Nº	Characteristic to be verified	Clause or subclause	Tested	Comments
1	Resistance to corrosion	10.2.2	✓	Severity test B
	Thermal stability	10.2.3.1		Not required- Metallic enclosure
	Resistance to abnormal heat and fire due to internal electric effects	10.2.3.2	✓	
	Lifting	10.2.5		Not required- No Lifting Points
	Mechanical Impact	10.2.6	✓	
	Marking	10.2.7		Not required-Laminated plastic cover
2	Degree of protection of enclosures	10.3	✓	IP55
3	Clearance	10.4	✓	
4	Creepage	10.4	✓	
5	Effective Continuity between the exposed conductive parts of the assembly and the protective circuit	10.5.2	✓	
	Short circuit withstand strenght of the protective circuit	10.5.3	✓	15KA/0.1s
6	Incorporating of switching device and components	10.6		Verification by assembly manufacturer Verified by:.....
7	Internal Electrical circuits and connections	10.7		Verification by assembly manufacturer Verified by:.....
8	Terminals for external conductors	10.8		Verification by assembly manufacturer Verified by:.....
9	Power Frequency withstand voltage	10.9.2	✓	Ui=500VAC
	Impulse withstand voltage	10.9.3	✓	Uimp=4KV
10	Temperature rise	10.10	✓	InA=160A
11	Short circuit withstand strenght	10.11	✓	Icw=25KA/0.1s
12	Electro magnetic compability (EMC)	10.12		Assessed and deemed not required-installed devices comply
13	Mechanical operation	10.13	✓	