



QUALITY WITHIN REACH

DISTRIBUTION BOARDS

160DB66-SS Series

02 72301357
elekronbaal.com.au

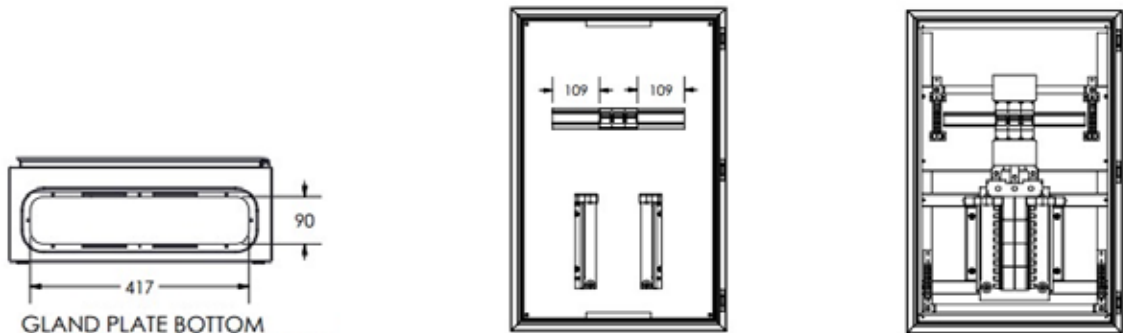
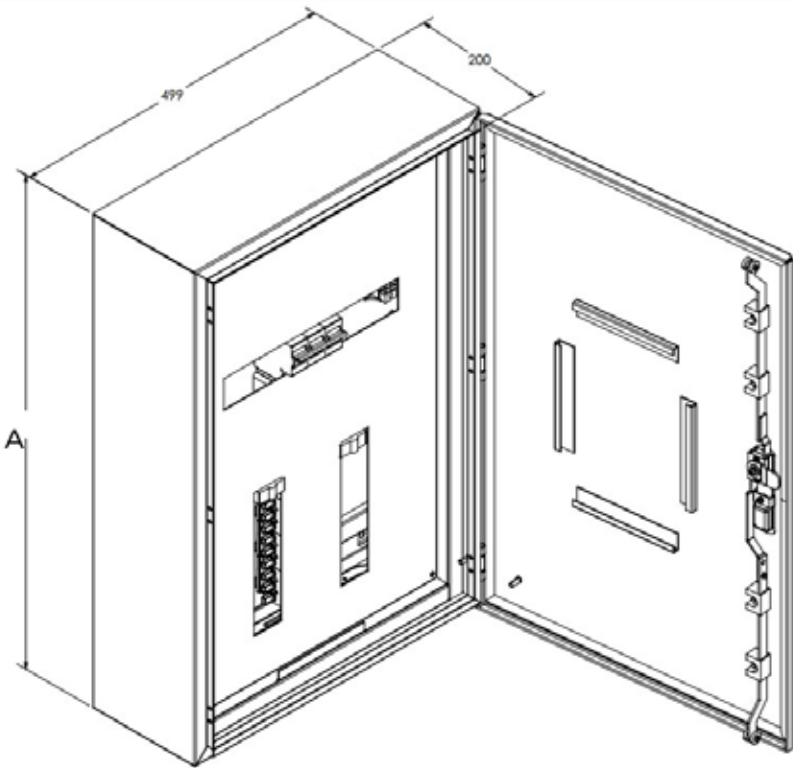
Elekron Baal 160A Stainless Steel Distribution Boards

Features

- Compliant to AS/NZ 61439.3
- IP66 protection.
- 1.5 mm Thick Stainless steel construction.
- 1.5mm Grey Powder coated galvanized Steel Escutcheon front plate
- Suitable for indoor/ outdoor installation.
- 165A Earth & Neutral Bars:
1 of each on both sides- 6mm dia tunnel (16mm² conductor)- 2x M8 main screws.
- Available in 24, 36, 48, 60 & 72 poles.
- Removable bottom gland plate.
- 2x stainless steel triangle lock.
- Width: 500 - Depth: 200 - Height: A in table
- Supplied with 3 pole main switch isolator.
- 4x Stainless steel wall mounting brackets with sealing gasket.
- Reversible hinged door.
- 4x ø8.5mm rear mounting holes.
- 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	160DB66-24-M-SS	750
36	160DB66-36-M-SS	850
48	160DB66-48-M-SS	1000
60	160DB66-60-M-SS	1100
72	160DB66-72-M-SS	1200



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Design Verification To AS/NZ 61439.1- Based on Bureau Veritas test report: BV23C-003 and TUV test report :CN21FNT6 001

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 Lifitng Points
	Mechanical Impact	10.2.6	✓	
	Marking	10.2.7		Not required-Laminated plastic cover
2	Degree of protection of enclosures	10.3	✓	IP66
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	✓	U _i =500VAC
	Impulse withstand voltage	10.9.3	✓	U _{imp} =4KV
10	Temperature rise	10.10	✓	I _{nA} =160A
11	Short circuit withstand strenght	10.11	✓	I _{cw} =25KA/0.1s
12	Electro magnetic compability (EMC)	10.12		Assessed and deemed not required-installed devices comply
13	Mechanical operation	10.13	✓	



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