

JUMBO 2

32 AMP TECHNICAL DOCUMENT



COMPLIANT: AS/NZ 61439-4:2016 FOR USE WITH AS/NZ61439-1:2016

RATED VOLTAGE (Un)	230 / 400 V
RATED OPERATIONAL VOLTAGE (UE) MAIN CIRCUIT	230 / 400 V
RATED FREQUENCY	50 - 60 HZ
RATED IMPLUSE WITHSTAND VOLTAGE (UIMP)	4kV
RATED CONDITIONAL SHORT-CIRCUIT CURRENT - 3 PHASES (ICC)	10kA
RATED INSULATION VOLTAGE (UI)	440V

RATED CURRENT					32Amp					
RATED CURRENT OF EACH CIRCUIT (Amp)										
Circuit 1	Circuit 2	Circuit 3	Circuit 4	Circuit 5	Circuit 6	Circuit 7	Circuit 8	Circuit 9	Circuit 10	Circuit 11
32A	16A	16A	16A	16A	16A	16A	16A	16A	16A	16A

FUNCTIONS ASSIGNED BY THE MANUFACTURER	
Incoming supply function - Suitability for a connection of the ACS either to electricity public supply network or to the transformer substation or to on site generator.	Distribution function - Suitability to provide the distribution and protection of electrical supply on the construction site by means of terminal connection or socket-outlets.
DIELECTRIC PROPERTIES: POLLUTIONDEGREE	2
DEGREE OF PROTECTION	1P64
INSTALLATION LOCATION	INDOOR / OUTDOOR
EXTERNAL DESIGN	ENCLOSED ACS
AMBIENT TEMPERATURE	-25°C TO 40
ALTITUDE	0-2000M
HUMIDITY	100% at 25°C



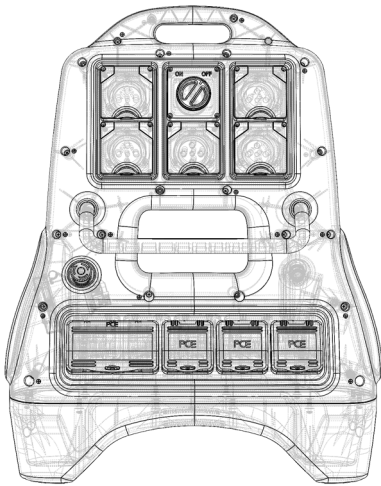
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RATED DIVERSITY FACTOR (RDF)	0.6
MOBILITY	TRANSPORTABLE ACS SEMI FIXED
MOUNTING	FIXED PARTS
PROTECTION AGAINST ELECTRIC SHOCK	TOTAL INSULATION / PROTECTIVE EARTH



SUMO JUMBO 2 - 32 AMP GENERAL CHARACTERISTICS	
LENGTH	680 mm
WIDTH	450 mm
HEIGHT	860 mm
WEIGHT	28 KGs
MANUFACTURER	VORTEX GROUP OF COMPANIES

HANDLING

Sumo Jumbo 2 products are fitted with three lifting handles for ease of carrying and can be utilized to mechanically fix board emplace. Sumo Jumbo 2 products can be transported twelve units to a pallet (stackable).

INSTALLATION:

Sumo Jumbo 2 products are plug and play allowing any competent person to connect cables to the board. Sumo Jumbo 2 products must be placed on a flat, stable dry surface and must not be submerged in water in any circumstance.

OPERATION:

Cables must be installed such that they are protected against mechanical damage (Standard AS/NZS 3000:2018). Any leads and cabled connected to Sumo Jumbo 2 must have a current test tag attached. Tools, leads and equipment plugged into a Sumo Jumbo 2 which have a current tag are deemed to comply with this requirement.

MAINTENANCE:

All servicing, repairs of Sumo Jumbo 2 products must be completed by qualified electrician. Visual inspections may be performed by a competent person to inspect for any damage or defects to the plugs or connectors.

NOTES

- A qualified person is required for the installation and verification of direct connected sub-mains and equipment.
- A qualified person is required for the installation and verification of sub-mains (interconnecting cable) for plug and socket connected ACSs.
- An overcurrent protective device rated at equal to or less than the rating of the CEE industrial socket-outlet must be incorporated for the connection of sub-mains in accordance with the AS/NZS wiring rules (AS/NZS 3000 standard).



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