# BERTHING INSTRUCTIONS

## FOR CONNECTION TO THE SANDRINGHAM YACHT CLUB AC POWER SUPPLY

Sandringham Yacht Club provides power for use on your pleasure craft with a direct connection to the marina low-voltage 240V.AC electrical supply, which is connected to a copper-based marina electrical protective earthing system. An isolating transformer fitted on board to isolate the low-voltage electrical system of your craft from the marine low-voltage electrical supply system *may reduce* corrosion activity caused by the coupling of your pleasure craft to the copper based marina electrical protective earthing system and/or other pleasure craft.

Additional sacrificial anodes or galvanic isolators *may be used to reduce these effects* (refer to the AS/NZS 2382 series of Standards for suitable cathodic protection practices). The earthing of conductive parts on pleasure craft with non-metallic hulls may result in degradation of timber (including wooden plugs in pleasure craft of reinforced plastic construction).

## YOUR PLEASURE CRAFT'S LOW VOLTAGE ELECTRICAL SYSTEM MUST COMPLY WITH AS/NZS 3004.2.2 ON ARRIVAL

(a) The low-voltage electrical supply at this marina is at 240V, 50 Hz supplied by socket-outlets which will accommodate a Standard 15A plug. The maximum available current is 16A.

(b) Where craft is provided with more than one low-voltage electrical supply, the supplies must have the same method of connection, that is, by connection through an isolating transformer with the hull and conductive parts bonded, or by connection without an isolating transformer.

(c) Precautions should be taken to prevent the supply lead from sagging or falling into the water and, particularly, to prevent either end of the supply lead falling into the water if it should become disengaged.

(d) Only one craft supply lead should be connected to any one socket-outlet.

(e) The entry of moisture and salt into a craft's appliance-inlet may cause a hazard. Examine carefully and clean before connecting to the marina low-voltage electrical supply.

(f) It is dangerous and illegal for unskilled persons to attempt repairs or alterations. If any difficulty arises, consult the marina management.

(g)

## YOUR ELECTRICAL SUPPLY LEAD SHOULD COMPLY WITH THE FOLLOWING

(a) The current rating of the flexible cord shall not be less than 15 amps.

(b) The flexible cord shall be in one length and shall not be less than 12 metres.

(c) The flexible cord shall be heavy duty 3 core (including earthing conductor) sheathed cord type complying with AS3191.

(d) Plug tops and sockets shall be rated at not less than 15 amps.

(e) All components shall be in good condition, i.e. no corrosion on electrical contacts and no damage to the cord sheath etc.

Marina operations can assist you if you require reference to appropriately qualified trades people should you require them. Under no circumstances can Sandringham Yacht Club; Marina Operations accept responsibility for damage caused by connection to its low-voltage AC power distribution system.

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