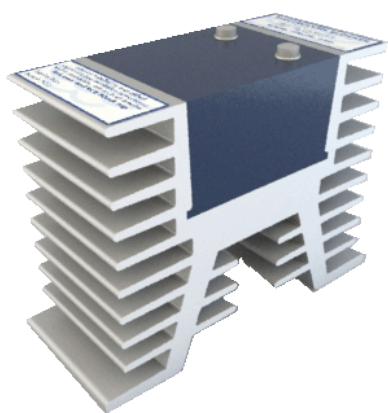


Electrolysis Blocker



Marine Protection Systems



Features:

- ✓ ISO, AS/NZS & ABYC standards certified approved
- ✓ 67A continuous current rating
- ✓ 5000A fail safe rating
- ✓ Compact for easy installation and inspection
- ✓ Waterproof, solid state components – no service required
- ✓ Proven high performance heat sink and ignition proof design



Description:

Product Code: MPS-EB67

The MPS Electrolysis Blocker is a marine galvanic isolator with unique hi-performance features tested to international marine standards. This unit is designed to block corrosion causing DC current that travels between vessels at a marina using the common shore power connection.

The failsafe construction offers peace of mind and confidence with no ongoing maintenance (or monitoring) required. The MPS Blocker is compact and easy to install which makes retro fitting a vessel simple and affordable.



Vessels in a marina are interconnected via the shore earth which carries low voltage DC current between them and the marina.

The result is increased corrosion which will cause the rapid consumption of anodes and promote growth on the vessels unprotected submerged metal parts.

An Electrolysis Blocker:

- ✓ Blocks the damaging DC current
- ✓ Maintains effective AC earth capability

Visit us at: www.marineprotectionsystems.com.au



Compliance:

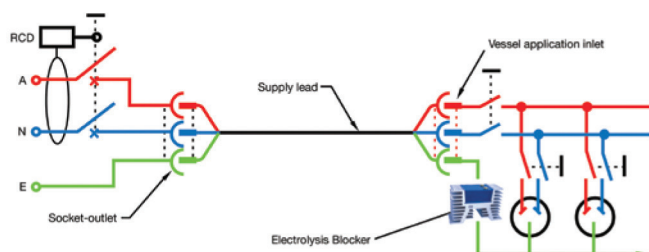
- ✓ AS/NZS3004.2.2008 & 3820:2009
- ✓ ABYC A-28
- ✓ Marine ISO 8846

Installation Instructions:

The MPS Electrolysis Blocker must be installed by a licenced Electrician.

* The Electrolysis Blocker must be used in conjunction with a circuit breaker rated up to 16A max (minimum 5KA fault rated) and a 30mA residual current device.

The diagram below shows the general arrangements for electrical supply to a vessel with blocker installed. Further information can be obtained in Appendix B of AS/NZS3004.2.2008



The Electrolysis Blocker shall be connected into the supply protective earthing conductor before it connects to the vessel's earth system. It should be installed where there is protection from accidental access, good ventilation, as close as practical to the shore power inlet / distribution panel and behind the appliance inlet. Use the mounting slots to secure it.

The Electrolysis Blocker is installed "in line" to the incoming earth wire and is clearly labelled "Ship Earth" and "Shore Earth". These terminals of the Blocker should be treated as live parts.

The information stickers provided must be affixed in plain view on the front of the distribution panel.

Maintenance Instructions:

The MPS Electrolysis Blocker does not require service or maintenance as it contains no moving or serviceable parts.

Boat owners are required to obtain an Electrical Warrant Of Fitness (EWOFF) for all vessels with hard wired 240VAC electrical systems.

MPS recommend inspection periodically by a licenced electrician to ensure earth terminal connections remain secure and the unit stays properly mounted.

Electrolysis Blockers can be tested for performance and/or fault conditions by a qualified electrician using a multimeter.

The MPS Electrolysis Blocker is designed and sold for the purpose of galvanic corrosion protection and must not be used for any other use.

The MPS Electrolysis Blocker must be registered with MPS to validate warranty.

Return completed warranty registration cards to the mailing address below.

Further installation and warranty instructions can be obtained from the MPS website.

www.marineprotectionsystems.com.au

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