

Galvanic Isolator VDI-16, VDI-32 and VDI-64

1. Mounting location

Warning! For safety purposes, the product should be installed in a heat-resistant environment. Avoid the presence of e.g. chemicals, synthetic components, curtains or other textiles in the immediate vicinity of the product.

- 1.1. Install the galvanic isolator in a well ventilated area.
- 1.2. Keep a clear space of 10 cm around the product for ventilation.
- 1.3. The galvanic isolator must be mounted with its length vertical to allow for maximum cooling. Under normal circumstances, the temperature increase of the heat sink is not more than 20°C. However the unit may become hot when conducting fault ground current.

	VDI-16	VDI-32	VDI-64
Galvanic Isolator	Waterproof (potted)		
Maximum current	16 A	32 A	64 A
Peak current (20 ms)	1600 A	3200 A	6000 A
Connection	M6	M6	M6
Heat sink			
Material	Anodized aluminium		
Protection category	IP 67		
Weight	1 kg	2 kg	3,2 kg
Dimensions (hwxwd) VDI-16	60 x 120 x 200 mm		
Dimensions (hwxwd) VDI-32	63 x 164 x 200 mm		
Dimensions (hwxwd) VDI-64	63 x 164 x 335 mm		

2. Installation

Warning! The galvanic isolator must be wired into the green (safety) grounding conducting connection ahead of all grounding connections to the vessel such that no ground connections on the vessel bypass the galvanic isolator making it ineffective.

- 2.1. Connections and safety features must be according to the locally applicable regulations.
- 2.2. Use electric cables of the appropriate size.
- 2.3. Wire the galvanic Isolator into the green (safety) grounding conducting connection as shown in fig. 1.

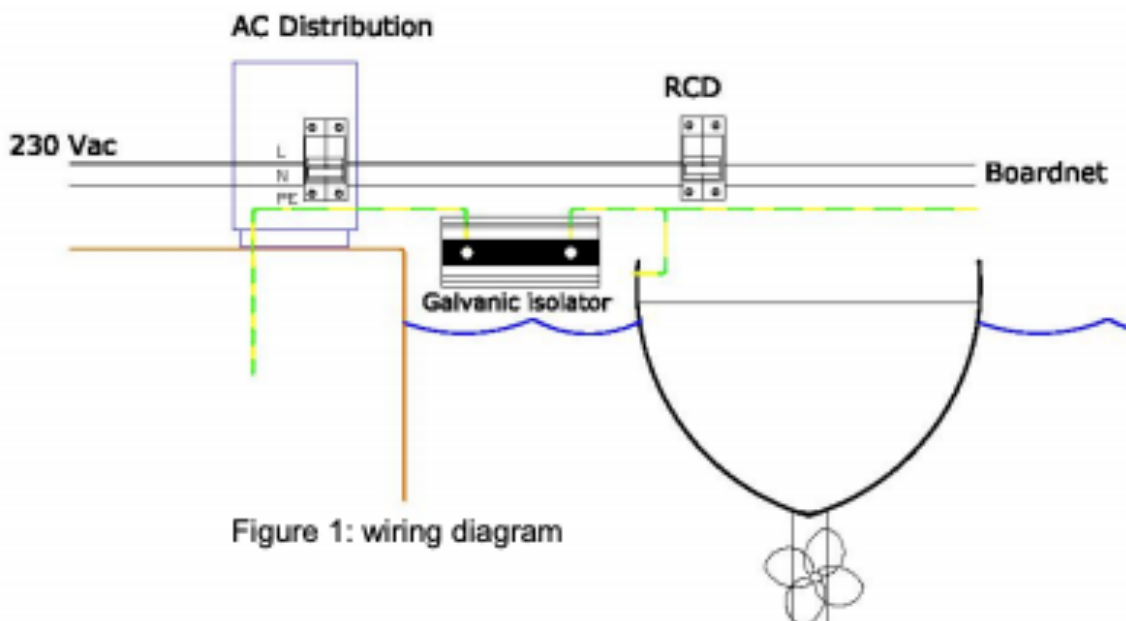


Figure 1: wiring diagram