



Principle

The galvanic isolator prevents galvanic corrosion. It blocks the low-voltage DC currents that enter your boat via the shore power earth wire. These currents can cause corrosion to the boat's underwater metals, like the hull, propeller, shaft and so on. The galvanic isolator consists of two diodes connected in antiparallel. The galvanic isolator is connected between the shore earth connection and the central earth point in the boat.

The advantage of the galvanic isolator is its low weight and size. In contrast to a galvanic isolation transformer that ensures full isolation (live, neutral, and ground), a galvanic isolator does not prevent corrosion that may arise through the neutral line, particularly when the neutral line is grounded by onboard electrical components, including suppression filters or other devices.

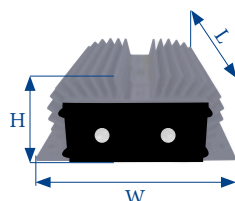
Presentation

CRISTEC offers two ranges :

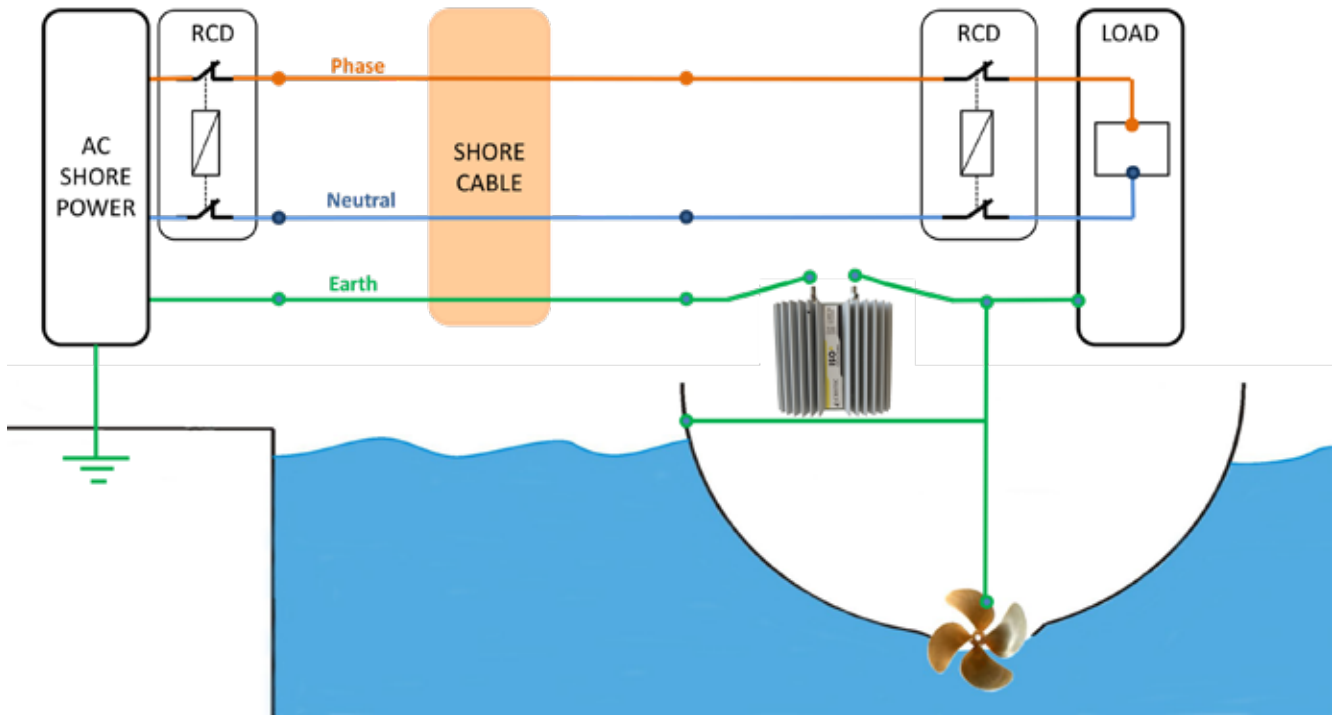
- European range that includes models with 16A, 32A and 50A capacities.
- North American range which is specifically designed for the North American market and holds 32A & 64A ABYC A28 and Fail Safe certifications.

Part number	ISO16PL	ISO32PL	ISO50PL	ISO32PL-A28	ISO64PL-A28
Maximum current	16A	32A	50A	32A*	64A*
Peak current (20ms)	800A	1600A	3200A		6400A
Connection	2 x M6				
Environment					
Cooling	Natural (Fanless)				
Operating temperature	From -25°C to +65°C (-13°F to 149°F)				
Protection	IP 34				
Material	Anodized aluminium / PC / Epoxy				
Casing					
Width, Length, Height	150x135x70mm (5.91 x 5.31 x 2.76in)		150x255x70mm (5.91 x 10.04 x 2.76in)	150x135x70mm (5.91 x 5.31 x 2.76in)	150x255x70mm (5.91 x 10.04 x 2.76in)
Weight	0,7 kg (1.54 lbs)		1,5 kg (3.31 lbs)	0,7 kg (1.54 lbs)	1,5 kg (3.31 lbs)
Standards					
	-			ABYC A28 (pending)	

* Availability on request



Principle schematic



Typical installation

