

Mass GI 3.5



Product code: 88000355

A safe connection between vessel and shore installation is an essential part of your electrical system. A galvanic electrical isolation between shore power and the on board power prevents any electrical corrosion of metal parts while keeping you earthed.

- Ultra modern high-frequency electronic switch technology.
- Lightweight and compact.
- Integrated Soft Start function.
- Connect to voltages from 90 to 255 V and from 45 to 65 Hz.
- Units can be parallel coupled for higher capacity.
- Higher efficiency, limited heat development.

Modern transformer technology: Light, silent, reliable and easy

The Mass GI is supplied with the latest high-frequency switching technology as well as Soft Start for peak loads when connecting to the grid. LED lights on the casing indicate load and overload. The transformer can be remote controlled. The Mass GI is 75 % lighter and 60 % smaller than to low frequency transformers.

Higher capacity via parallel switching

Parallel switching of the Mass GI units increases the AC power capacity. Two 16 A/3.5 kW units ensures 32 A/7 kW, four units give 64 A/14 kW.

Install anywhere

With its robust aluminium casing, this isolation transformer can be fitted in any position on wall or floor. No rubber mountings are necessary because the unit does not vibrate or hum. The Mass GI also features professional connections with strain relief cable glands.

Specifications

General specifications

Output voltage ($\pm 5\%$)	90-255 V
Output frequency range	45-65 Hz
Input voltage range	90-255 V
Input frequency range	45-65 Hz
Nominal input current (230 V)	16 A
Galvanic isolation	yes
Efficiency	> 93 %
Power 230 V (120 V)	3500 VA (1920) VA
Parallel configuration	to 4 units parallel (= 14 kW)
Dimensions, h x w x d	340 x 261 x 144 mm 13.4 x 10.3 x 5.7 inch
Weight	6 kg 13.2 lb
Compliance	CE, ABYC

Technical specifications

Technology	high frequency
Earth leakage protection	no
No-load power consumption	22 W
Temperature range (ambient temp.)	0 °C to 40 °C, derating power > 40 °C 32 to 104 °F
Cooling	variofan
Switch off at	80 °C
Protection degree	IP23
Operating humidity	max. 95 %
Switch off behaviour breaker	B-characteristic
Soft start	yes
MasterBus compatible	yes