

NUOVA MAREA LTD

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PIRAEUS
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Greece
Telephone: +30 210 4134628
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Product: Programmable Controller, I/O Units, Operator & Communication Interfaces

Model: NM-251 Series

Intended Service:

Data Multiplier - Buffer - Splitter, Analogue signals to Digital Data Converter, Data Protocol Converter, Data Filter Interface, for Marine and Offshore installations.

Description:

The NM-251 Series is a family of Data Converters used for data distribution and conversion in marine and offshore applications. NM-251 Series is a microcontroller based design, thus it can function in various ways depending on the uploaded firmware. NM-251 Series Converter can be programmed to carry out the following functions:

1. NM-251A : Two channel input/five channel output NMEA-0183 data multiplier with input priority encoding.
2. NM-251B : Speed Log ppm output to NMEA-0183 converter.
3. NM-251C : NMEA-0183 Data Protocol converters.
4. NM-251D : NMEA-0183 Data Filter converters.

Dimensions: width 110 mm / 134.80 mm, depth 82 mm, height 43 mm.
Styrene housing.

Ratings:

Voltage Range: 10-30 VDC
Nominal Supply Voltage: 24 VDC
Vmax: 60V, Imax: 40A
Current Consumption: 50mA in idle state/ 150mA in full output mode
Degree of Protection: IP 20
Compass Safe Distance: 0.90 m
Operating temperature: -15 to +55 deg Celsius

Service Restrictions:

Unit Certification is not required for this product.



Comments:

Tests and approval are for hardware only. Each vessel's configuration and external connection is to be specifically approved.

Notes/Documentation:

"HEEQAC" Certificate No. 400193 dated 12 March 2008.
"HEEQAC" Test Reports: 2410/056/0/07 dated 03 December 2007, 2450/110/2007 dated 04 December 2007, 2450/012/08 dated 07 March 2008.

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

Term of Validity:

This Design Assessment Certificate number 08-PR299432-PDA, dated 20/Mar/2008 will expire on 19/Mar/2013 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2009, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

STANDARDS

ABS Rules:

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2008 Steel Vessel Rules 1-1-4/7.7, 4-8-3/1.7, 4-8-3/1.9 and 4-8-3/Table 2

International:

IEC 60945 (2002 edition)

