



## NMEA-0183 buffer-splitter-multiplier

NM-251A is a two channel NMEA-0183 input / four or five channels NMEA-0183 output multiplier.

It enables data distribution from two NM-0183 sources (primary and secondary with priority encoding) to all NMEA-0183 instruments through four or five RS-422 or TTL talker ports and an I/O RS-232.

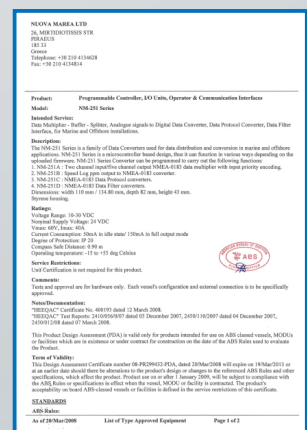
NM-251A is certified to IEC 60945 for use on-board SOLAS vessels.

Typical applications include the interconnection of navigation instruments like ECDIS, ECS, VDR, SVDR, Radars, VHF's, Conning-Monitoring systems, etc.

# Specifications

<b>Supply Voltage</b>	9 to 35 Vdc
<b>Power Supply Protection</b>	PTC Resettable Fuse Vmax: 60V, Imax: 40A, Ihold: 0,25A (23°C), Itrip:0,5A (23°C), Max time to trip (23°C): 2,2sec for 1,25A
<b>Current Consumption</b>	50mA in idle state / 150mA in full output mode
<b>Inputs</b>	2 x NMEA-0183, optically isolated Common Mode Rejection: 10kV/usec, Isolation: 480 Vrms
<b>Input Resistance</b>	1 kOhm
<b>Outputs</b>	4 x buffered RS-422/TTL (general purpose) 1 x RS-232 1 x RS-422 signal conversion from RS-232 RXD channel or as fifth output
<b>Output protection</b>	Buffered for all RS-422 outputs
<b>Speed for NMEA inputs</b>	4.800/8/N/1 when input priority encoding mode is selected Same as listeners connected to output ports when Ina to Out1/2 and Inb to Out3/4 mode is selected
<b>Speed for NMEA outputs</b>	4.800/8/N/1 when input priority encoding mode is selected Same as listeners connected to output ports when Ina to Out 1/2 and Inb to Out 3/4 mode is selected 4.800/8/N/1 for RS-232 or baud rate free user selectable
<b>Indicators</b>	Most Significant Input (Ina) Less Significant Input (Inb) Data transmission from output ports 1 and 2 (Out 1/2 LED) Data transmission from output ports 3 and 4 (Out 3/4 LED) Data reception from RS-232 interface or output 5 port (Out 5 LED)
<b>Dimensions</b>	Width = 110mm/134,80 mm Depth = 82 mm Height = 43 mm
<b>Housing</b>	Styrene

# Approvals



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