



TYPE APPROVAL CERTIFICATE
No. ELE144320XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Connecting devices
<i>Type</i>	MP2x8i NMEA Buffer
<i>Applicant</i>	AEP Marine Parts BV Van Hennaertweg 9 2952 CA Alblasserdam NETHERLANDS
<i>Manufacturer</i>	AEP Marine Parts BV
<i>Place of manufacture</i>	Van Hennaertweg 9 2952 CA Alblasserdam NETHERLANDS
<i>Reference standards</i>	- Rules for the Classification of Ships- Part C - Machinery, Systems and fire protection - Ch.3 ; Sect. 6 ; Tab. 1 .

Issued in **Hamburg** on **July 3, 2020**. *This Certificate is valid until* **July 2, 2025**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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MP2x8i NMEA Buffer

MP2x8i NMEA Buffer

NMEA Buffer has been designed to isolate and buffer NMEA 0183 data or other RS422 signals. It is able to distribute the NMEA signal from two talkers up to eight listeners. As the input and output ports are isolated the device ensures the protection of the talkers and listeners.

Rating:

Power supply: 24 V DC (9 to 36 V DC), isolated

Over-voltage protection: up to 37 V DC

Galvanic isolation: power supply 1,5 kV DC, signal input/output up to 5 kV RMS

Input ports: 2 (RS232 or RS422)

Output ports: 8 (RS422)

Ambient temperature: -15 ° C to +55° C

Degree of protection: IP2x

Reference Documents:

MP2x8i Installation and user manual

MS Testing TL19095 Compass Safe Distance Test;

EMC RINA 14 + 19 - 20200334RPT01;

IMT Environmental + vibration 27BT2020;

LRN EMC Test report RP2822019LA;

LRN EMC Test report RP283-2842019LA;

LRN EMC Test report RP2852019LA;

LRN EMC Test report RP2862019LA;

LRN EMC Test report RP2872019LA;

LRN EMC Test report RP2882019LA;

LRN EMC Test report RP2892019LA

Hamburg July 3, 2020

