

PRO-NBF-1

Type Approved NMEA 0183 Buffer



Feature

Advantage

Benefit

<ul style="list-style-type: none"> • One OPTO-isolated input • Six ISO-Drive™ outputs • Compatible with RS422, RS232 and RS485 connections 	<ul style="list-style-type: none"> ✓ Meets isolation requirements of protecting talker devices ✓ Isolates and buffers up to six listeners distributing identical data to each Listener, protecting against ground loops ✓ Wide input voltage range and powerful output current drive 	<ul style="list-style-type: none"> ✓ Peace of mind and highest reliability ✓ ISO-Drive separates the Listener from the Talker to protect both the NBF-3 and each connected device ✓ Easy installations due to wide compatibility
<ul style="list-style-type: none"> • Up to 115200 baud • Outputs automatically track the input baud rate • Protocol independent • Wide operating voltage 	<ul style="list-style-type: none"> ✓ Covers all commonly used baud rates ✓ Automatic autobaud, no configuration required ✓ Passes all data, no configuration required ✓ Allows operation on 12V or 24V systems 	<ul style="list-style-type: none"> ✓ Wide compatibility meaning simplified installation ✓ Quick, easy installation ✓ Simple installation saves time and money and provides peace of mind ✓ Compatible with all common power systems
<ul style="list-style-type: none"> • Input Protection • Stainless Steel Housing • Isolation from battery ground 	<ul style="list-style-type: none"> ✓ Protects against reverse polarity and transients ✓ Sturdy construction providing optimal corrosion resistance and RF shielding ✓ Each output has >1000V of isolation from the DC power supply ground 	<ul style="list-style-type: none"> ✓ Protects against faults ✓ Increased durability and high performance ✓ Critical to keeping connected devices protected from ground loop damage
<ul style="list-style-type: none"> • Power LED • Input indicator LED • Pluggable two-part screw terminal connectors • Type Approved • Panel or Optional DIN rail mount 	<ul style="list-style-type: none"> ✓ Clear feedback of power status for ease of debugging ✓ Confirms correct connection and presence of data ✓ Quick installation of cables and easy debugging by simple unplug operation ✓ Certified to unified requirements of IACS E10 / IEC 60945 ✓ Can mount to bulkhead or DIN rail using optional mounting brackets 	<ul style="list-style-type: none"> ✓ See power is connected correctly ✓ Clear feedback of input status for ease of debugging ✓ Fast and simple installation, saving the overall cost ✓ Can be installed on vessels governed by Class Society Rules ✓ Flexible installation options to save time and money

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Type Approved NMEA Buffer



The Type Approved NMEA Buffer, PRO-NBF-1, isolates and buffers NMEA 0183 data with the power to drive multiple devices.

Able to distribute up to six identical, amplified streams of data from one source, the NMEA signals are buffered to ensure that each Listener receives the data at the required voltage levels, providing consistent data quality.

Isolation on the input and outputs ensures the protection of the source Talker device and destination Listener devices.

The NMEA Buffer has ISO-Drive™ technology on the outputs and OPTO-isolation on the input which enables you to connect the NMEA 0183 Buffer with complete peace of mind.

The stainless steel housing makes the device rugged, sturdy and gives increased durability. The metal case also acts as an RF Shield, making the device an ideal addition to commercial installations.

To make installation quick and simple the PRO-NBF-1 features 2-part pluggable connectors that allow use of screw terminals. The PRO-NBF-1 is designed to be mounted on a bulkhead or alternatively it can be mounted on a DIN Rail using the optional brackets.

The optional strain relief brackets can be provided to ensure reliable professional cable management.

Part number: PRO-NBF-1