PROJECT SPECIFIC PRODUCT RANGE



POWER & DATA DISTRIBUTION / INTERFACES

MD36/8 NMEA TO STEP (S-TYPE) INTERFACE

SKU: F036021

View Online ›

FEATURES

- **Converts Digital NMEA 0183 to Legacy Step (S-Type)**
- **Allows a NMEA system to connect to Legacy Equipment**
- **3 Line Step Output**
- **High Accuracy**
- **Low Power Consumption**
- **Compact and Robust**

OVERVIEW

The MD36/8 is a solid-state digital NMEA to analogue STEP (S-Type) Interface for applications where there is a need for low power retransmission of digital NMEA heading data to legacy STEP equipment.

It converts a NMEA 0183 (IEC61162-1) compliant digital transmission to a DC STEP (S Type) transmission at 24 V, 35 V or 50 V dc to within 1/6° with no errors.

Supplied for bulkhead mounting as standard, the MD36/8 offers a compact NMEA to STEP (S-Type) Interface solution for locations where available space is limited.

Constructed in a robust die-cast aluminium enclosure and finished in RAL9005 Jet Black fine texture powder coat paint, the MD36/8 is designed to complement existing marine navigation equipment.

The MD36/8 STEP (S-Type) to NMEA Interface from Marine Data, easy to install and simple to maintain.

APPLICATIONS

- The MD36/8 is suitable for converting from digital NMEA 0183 (IEC61162-1) transmission format to any STEP (S-Type) transmission format. This is especially useful for retro-fitting legacy systems with modern equipment requiring a digital transmission of ships heading
- The MD36/8 forms an integral part of Marine Data Heading Repeaters supplied for use with STEP (S-Type) transmission systems

RELATED PRODUCTS

- The complete range of Marine Data Heading Repeaters

This product is an example of a baseline specification which we are not currently stocking as a standard product. Please contact us with your project-specific requirements, and we can discuss opportunities to provide a bespoke solution.

SPECIFICATIONS

PHYSICAL	
Weight:	1.0 kg
Dimensions:	H 222 mm; W 146 mm; D 55 mm
Mounting:	Bulkhead mounted
Connections:	3x M20 Cable Glands; M4 Earth Stud
Construction:	Aluminium alloy enclosure
Finish:	Jet Black RAL9005 fine texture powder coat paint

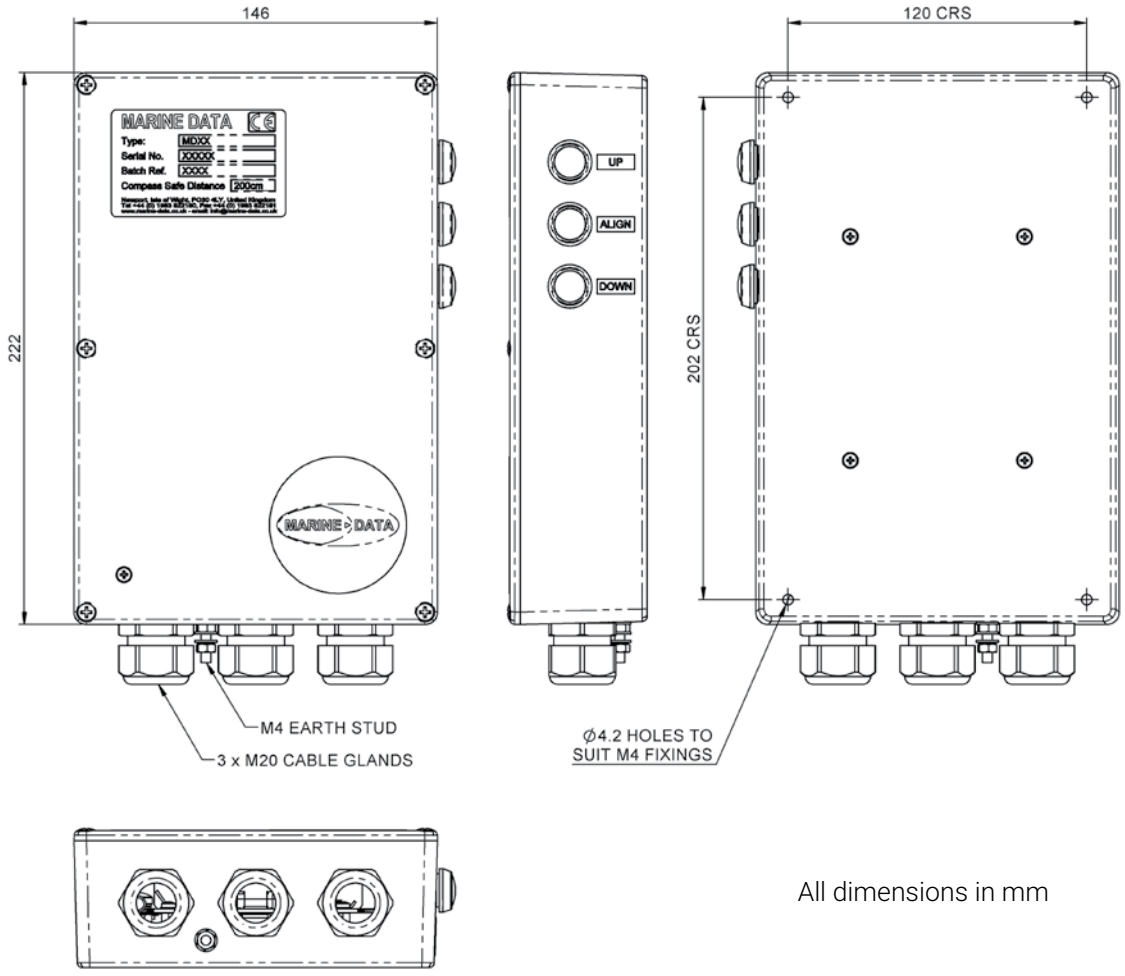
ELECTRICAL	
Power Supply:	24 V dc nominal; 5 W nominal; 18-32 V dc
Data input:	Baud Rates: 4800, 9600, 38400 (Auto Selecting)
Data Output:	24-70 V, Common Negative or Common Positive (Switch Select inside unit) Up to 3A / Line
Step Power:	STEP Power to be provided by installer

OPERATIONAL	
Performance:	1/6° accuracy (limit of STEP signal)
MTBF:	>30,000 hours

ENVIRONMENTAL	
IP rating:	IP54
Operating temp:	-15°C to +55°C
RoHS:	Compliant
Compass:	Safe Distance 50 cm

APPROVALS	
Conforms with:	IEC 60945; IEC 61162-1

ADDITIONAL	
Option:	Custom paint colour and stainless steel cable glands - Subject to MOQ



All dimensions in mm

Copyright © 2019 Marine Data Systems Ltd. - MD36-8 Datasheet v06r02

Vittlefields Technology Centre, Forest Road, Newport, Isle of Wight, United Kingdom. PO304LY
Marine Data Systems Ltd. reserves the right to make changes to its products and specifications without prior notice.