



## POWER &amp; DATA DISTRIBUTION / INTERFACES

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

SKU F036021

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## 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](#)

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

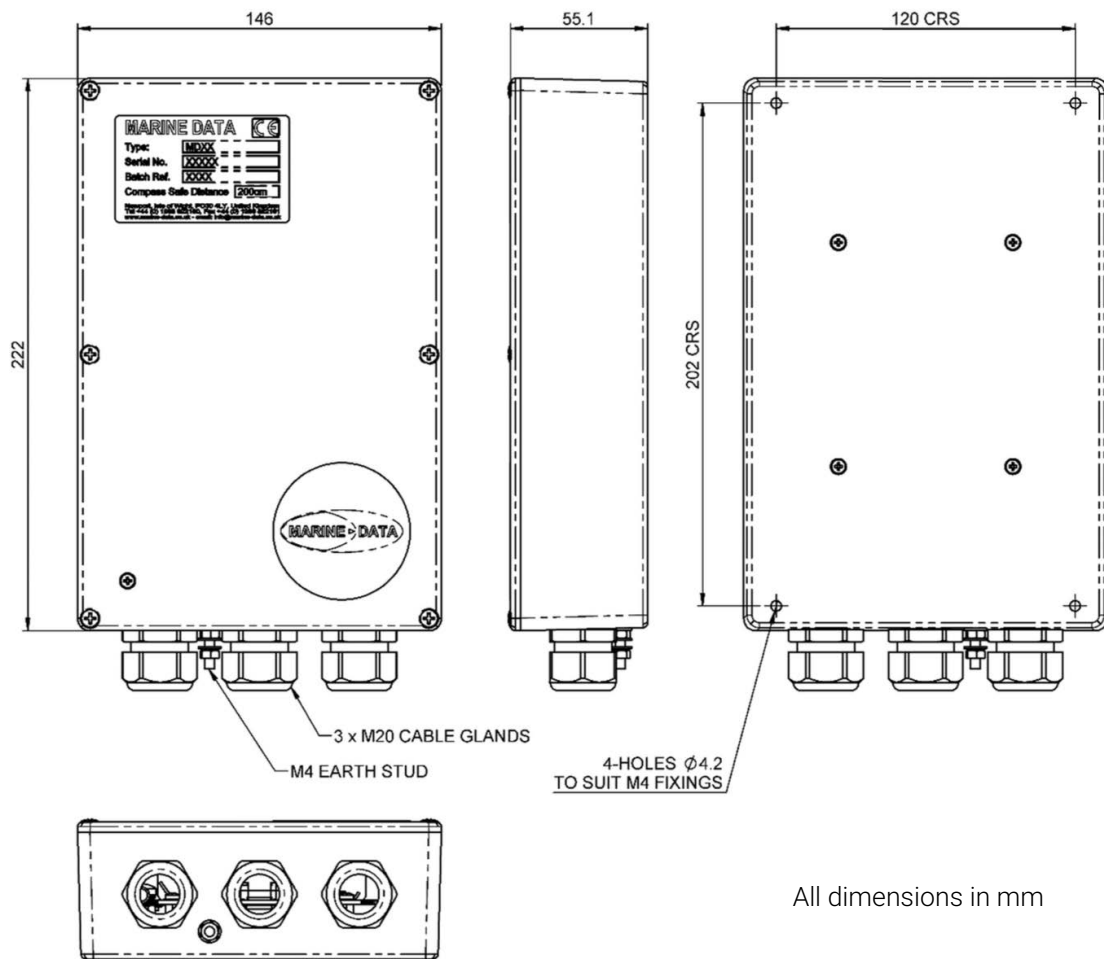
ELECTRICAL	
Power Supply:	24 V dc nominal; 5 W nominal; 18-32 V dc
Data input:	Baud Rates: 4800, 9600, 38400 (Auto Selecting)
Data Output:	24-70 V, Common Negative or Common Positive (Switch Select inside unit) Up to 3A / Line
Step Power:	STEP Power to be provided by installer

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



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