

COMPASS & HEADING / RATE OF TURN REPEATERS

MD67ROT WEATHERPROOF DIAL RATE OF TURN INDICATOR

SKU: F067201

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FEATURES

- **Weatherproof Marinised Rate of Turn Indicator**
- **Rate of Turn up to 30°/min**
- **Clear and Easily Readable Dial Display**
- **Panel or Bulkhead Mounted**
- **Rotary Dimmer with Push Control**
- **Local and Remote Dimming Control**
- **Digital NMEA 0183**
- **Fully sealed to IEC 60945 Exposed Area Classification**

OVERVIEW

The MD67ROT is a weatherproof, NMEA-based Rate of Turn Indicator displaying Rate in degrees per minute. Housed in a robust, compact aluminium enclosure which is fully sealed to IEC 60945 Exposed Area Classification for external or internal use, and is ideal for any vessel.

The MD67ROT provides a clear and easy to read 118 mm diameter analogue dial display graduated in 1 degree per minute rate increments. Rate range: Up to 30 degrees per minute to Port and Starboard. It features a tough polycarbonate faceplate and rotary encoder control for varying the background and pointer illumination.

May be either bulkhead or panel mounted. Finished in Jet Black (RAL 9005) Fine-texture Powder Coat to complement other marine navigation equipment.

The MD67ROT from Marine Data: flexible in application, easy to install and simple to maintain.

APPLICATIONS

- External use on a seagoing vessel
- To display Rate of Turn (ROT) data transmitted from NMEA 0183 compatible marine equipment at a convenient location

ACCESSORIES

- Panel Mounting Kit (Supplied)
- Remote Dimmer Control (0-24 V dc)
- Bulkhead Bracket Mounting Kit

RELATED PRODUCTS

- MD68ROT - Rate of Turn Indicator (Dial Ø 164 mm)
- MD77ROT - Rate of Turn Indicator (Dial Ø 118 mm)
- MD77ROT120 - Rate of Turn Indicator (Dial Ø 118mm; 0-120°/min)

TYPE APPROVED PRODUCT
DNV
DNV.COM/AF

SPECIFICATIONS

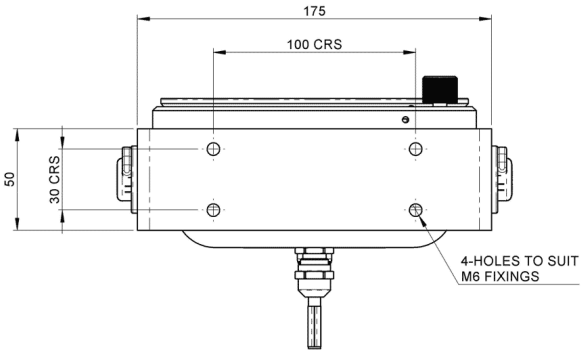
PHYSICAL	
Weight:	1.5 kg (with bulkhead mounting bracket)
Dimensions:	H 174 mm; W 221 mm; D 100 mm (on bracket) Fascia 160 mm x 160 mm; Dial Ø 118 mm
Mounting:	Panel or optional Bulkhead mounted
Connections:	Multicore cable through watertight gland
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL 9005) Fine-texture Powder Coat

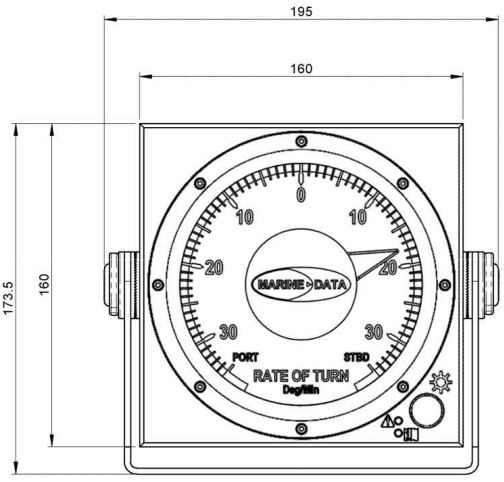
ELECTRICAL	
Power Supply:	24 V dc (18-32 V) 4 W nominal
Data input:	Digital RS422 NMEA 0183; 4800 / 9600 / 19200 / 38400 Baud; auto selecting
Data sentence:	ROT ($--ROT,x.x,A*hh<CR><LF>
Cable:	2.5 m captive data cable to bare tails

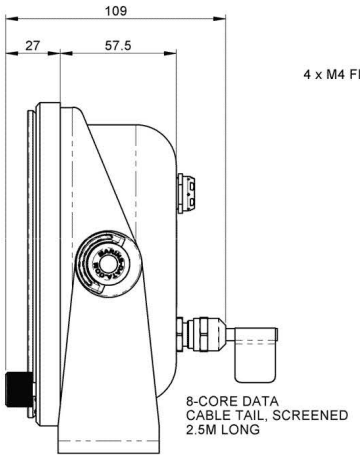
OPERATIONAL	
Performance:	±0.5°/min accuracy; Alignment rate in excess of 40° per second
Dial Illumination:	Backlit white
Display:	Rate of Turn; range 0-30°/min; scale graduated in 1° per minute rate increments; full scale deflection 35°/min
LED Indicators:	Fault Indication = Red (RD); Set-up Mode = Blue (BU)
Loss of Valid Data:	Pointer assumes a vertical downward position Red FAULT LED Illuminated

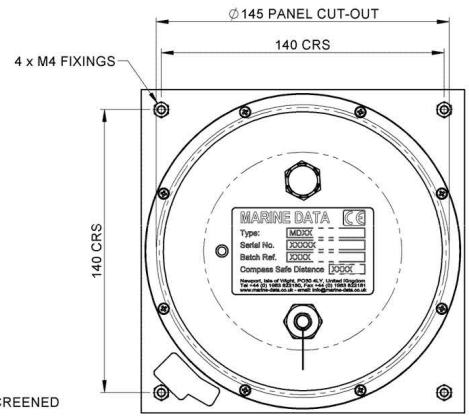
ENVIRONMENTAL	
IEC 60945 Equipment Category:	Exposed Area
Operating temp:	-25°C to +55°C
Storage temp:	-25°C to +70°C
RoHS:	Compliant
Compass Safe Distance:	Standard: 85 cm Steering: 45 cm

APPROVALS	
Conforms with:	BS EN 60945:2002 Inc. corrigendum April 2008 (BSI, 2008) BS EN 61162-1:2016 (BSI, 2016) BS EN 62288:2014 (BSI, 2016) ISO 20672:2007, IMO Resolution A.694(17) IMO Res. MSC.36(63) (IMO, 1994) IMO Res. MSC.97(73) (IMO, 2000) IMO Res. MSC191(79) (IMO, 2004)
Type Approval:	DNV - When used with a Type Approved Rate of Turn Sensor in accordance with IMO Resolution A.526 (13)









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