



**α MRV50A**

**Features**

- 50 mm case diameter
- Magnetic absolute rotary encoder
- 5V/360° (Standard), 5V/45°, 90°, 180°, 10bit (Optional)
- IP 54 protection
- Can be used as contactless potentiometer

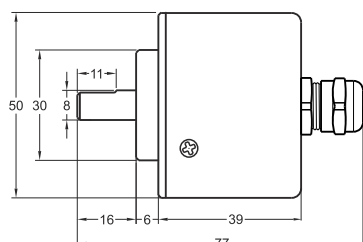


**Technical Specifications**

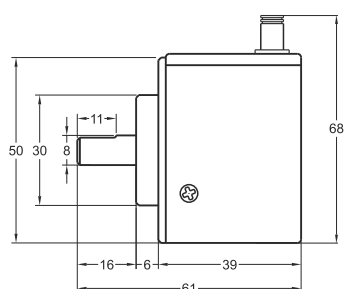
Type of Measurement	Magnetic absolute
Resolution	5V/360° (Standard) 5V/45°, 90°, 180°
Output Signal	Analogue
Output Signal Type	Voltage Output (0 - 5 VDC)
Supply Voltage	8-24 VDC (Standard) or 5 VDC (Optional)
Power Consumption (without load)	< 40 mA (24 VDC)
Electrical Connections	2.5m Cable (standard)

Max. Speed	1000rpm
Shaft Diameter	Ø50 mm
Shaft Material	Stainless Steel
Case diameter	Ø50 mm
Case material	Aluminium I Steel
IP Degree	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

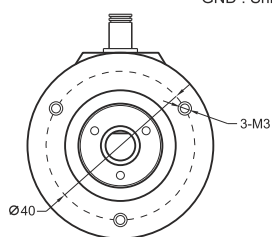
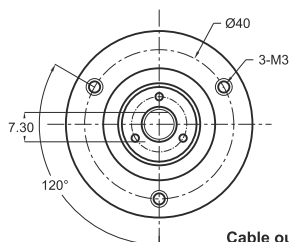
Max. Permissible Shaft Loading Radial 100 N  
Axial 60 N



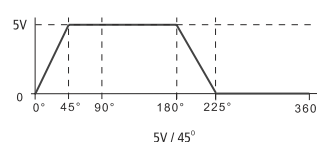
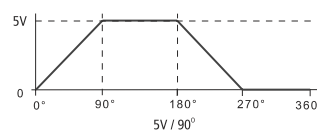
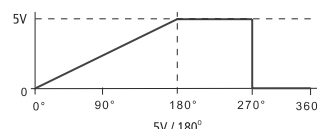
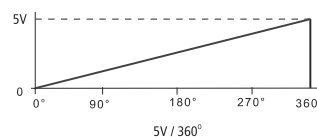
Shaft Type / Axial



Shaft Type / Radial



**Cable output**  
+V : Brown  
0V : White  
Vout : Yellow  
GND : Shield



OUTPUT SIGNAL

Model	Case Diameter	Reference	Supply Voltage	Connector / Cable	Cable Output
(example) MRV	50A	5V/360°	V2	2M5	R
MRV	50A : Standard case 50AW : Water proof	5V / 360° 5V / 180° 5V / 90° 5V / 45° 10bit	V1 : 5V DC V2 : 8-24V DC	2M5 : 2,5 meter cable 5M : 5 meter cable 8M : 8 meter cable 10M : 10 meter cable	R : Radial A : Axial

07.2019 | version 0001

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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