



α MRV50F

Features

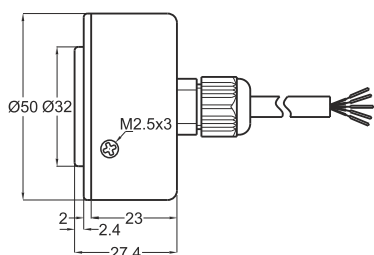
- 50 mm case diameter
- Magnetic absolute rotary encoder
- 5V/360° (Standard), 5V/45°, 90°, 180°, 10bit (Optional)
- IP 54 protection
- Can be used as contactless potentiometer



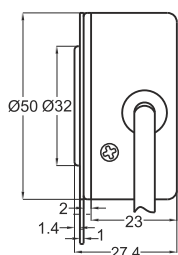
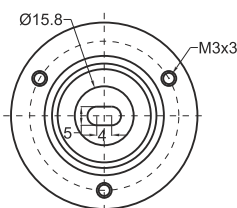
Technical Specifications

Type of Measurement	Magnetic absolute
Resolution	5V/360° (Standard) 5V/45°, 90°, 180°, 10bit (Optional)
Output Signal	Voltage
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), Connector (Optional)

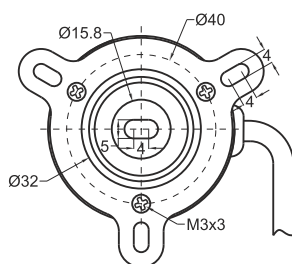
Max. Speed	1000 rpm
Shaft material	Stainless Steel
Case diameter	Ø50 mm
Case material	Aluminium I Steel
IP Degree	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



Shaft Type / Axial

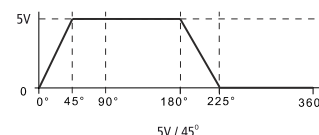
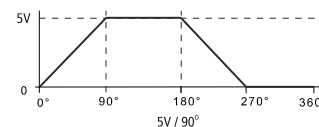
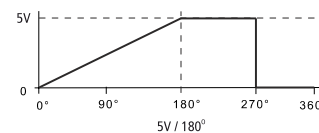
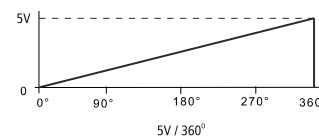


Shaft Type / Radial



Cable output

- +V : Brown
- 0V : White
- Vout : Yellow
- GND : Shield



OUTPUT SIGNAL

Model	Case Diameter	Resolution	Output Type	Supply Voltage	Connector / Cable	Cable Output
(example) MRV	50F	5V / 180°	VO	V1	2M5	R
MRV	50F : Flat case 50FW : Water proof	5V / 360° 5V / 180° 5V / 90° 5V / 45° 10bit	VO : Voltage output	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.

Althen – Your expert partner in Sensors & Controls | althensensors.com

Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.

Germany / Austria / Switzerland
info@althen.de

Benelux
sales@althen.nl

France
info@althensensors.fr

Sweden
info@althensensors.se

USA / Canada
info@althensensors.com

Other countries
info@althensensors.com