

# MRV 50A

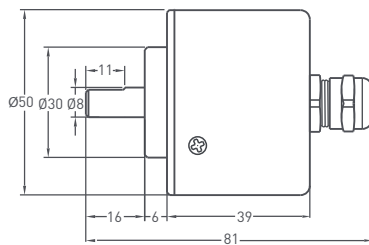
## Magnetic Absolute Encoder Analog Output



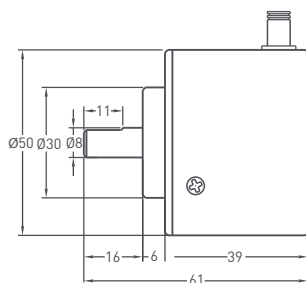
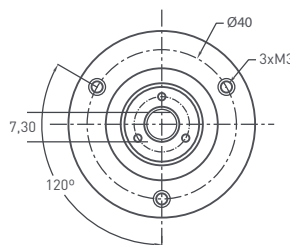
- 50 mm case diameter
- Magnetic rotary encoder
- Vout / 360° (standard), Vout / 45°, 90°, 180°
- Iout / 360° (standard), Iout / 45°, 90°, 180°
- IP 54 protection level

Technical Specifications	
Type of measurement	Magnetic non-contact
Resolution	5V/360° (standard) 5V/ 45°, 90°, 180° 10V/360° (standard) 10V/45°, 90°, 180°
Output channels	Analog
Output type	Voltage output (0-5 VDC or 0-10 VDC) Current output (0-20 mA or 4-20 mA)
Power supply	8-24 VDC (standard for 0-5 VDC output) 15-30 VDC (standard for 0-10 VDC output) 15-30 VDC (0-20mA/4-20 mA standard for current output)
Power consumption (without load)	< 40 mA (24 VDC)
Electrical connections	2,5 meter cable (standard)
Max. permissible shaft loading radial	100 N
axial	60 N
Max. displacement speed	1000 rpm
Rod diameter	Ø8 mm
Rod material	Stainless steel
Case diameter	Ø50 mm
Case material	Aluminium / Steel
Protection level	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

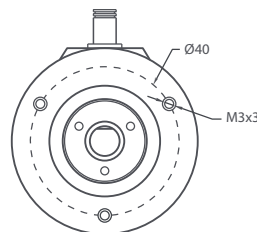
### Mechanical Specifications



Rod type / Axial cable output

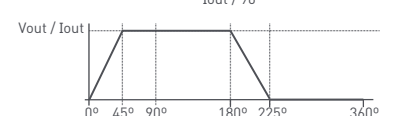
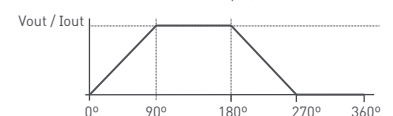
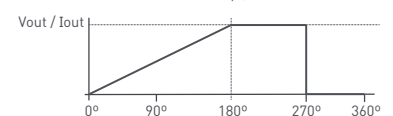
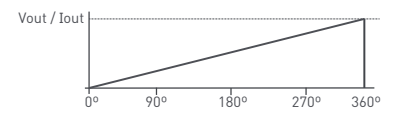


Rod type / Radial cable output



#### Cable Output

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



Output signal

### Ordering Procedure

Model	Case diameter	Output type	Power supply	Connector / Cable	Cable output
MRV	50A	5V/360°	V2	2M5	R
MRV	A : Standard case AW : Watertight	V/360° I/360° V/180° I/180° V/90° I/90° V/45° I/45° 10 bit	V1: 8 - 24 VDC V2: 15 - 30 VDC	2M5 : 2,5 meter cable 5M : 5 meter cable 8M : 8 meter cable 10M : 10 meter cable	R : Radial A : Axial