

MRV 50A

Magnetic Absolute Encoder Analog Output

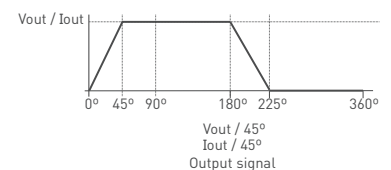
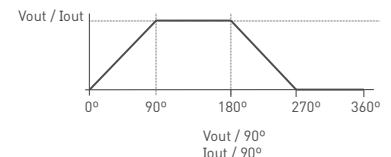
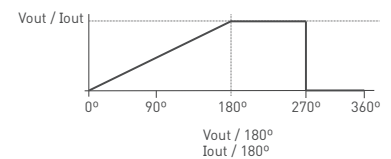
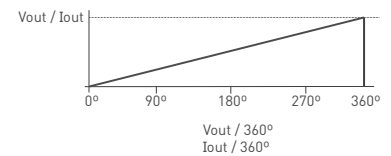
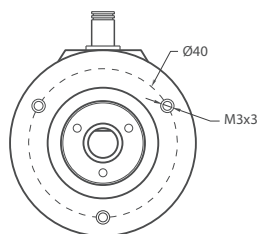
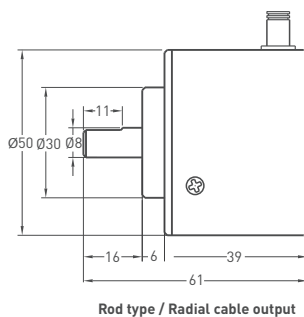
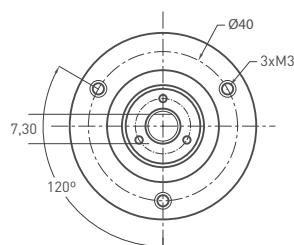
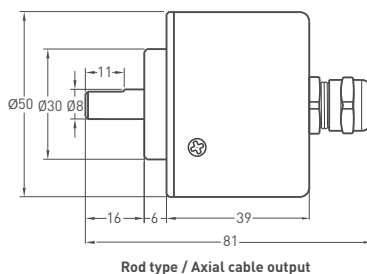


- 50 mm case diameter
- Magnetic rotary encoder
- Vout / 360° (standard), Vout / 45°, 90°, 180°
- IP 54 protection level

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 (Voltage)
Output type	Voltage output (0-5 VDC or 0-10 VDC)
Power supply	8-24 VDC (standard for 0-5 VDC output) 15-30 VDC (standard for 0-10 VDC output)
Power consumption (without load)	< 40 mA (24 VDC)
Electrical connections	2,5 meter cable (standard)
Max. permissible shaft loading: Radial : Axial	100 N 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



Cable Output

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

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° V/180° V/90° V/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