

# MRI 50A

## Magnetic Incremental Encoder



### INCREMENTAL

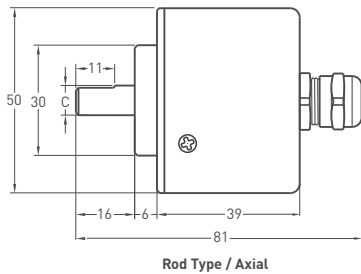
- 50 mm case diameter
- Magnetic incremental encoder
- Pulse options:  
4 - 8 - 16 - 20 - 25 - 32 - 40 - 50 - 66 - 80 - 100 - 125 - 128 - 160  
200 - 250 - 256 - 400 - 500 - 512 - 800 - 1000 - 1024 ppr.
- IP 54 protection level



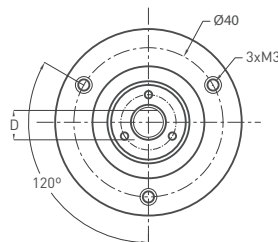
### Technical Specifications

Type of measurement	Magnetic incremental non-contact
Resolution	4 - 1024 ppr.
Output channels	A, B, Z or A, $\bar{A}$ , B, $\bar{B}$ , Z, $\bar{Z}$
Output type	Push-Pull, TTL, Linedriver or Highlinedriver
Power supply	8-24 VDC (standard) or 5 VDC (optional)
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	3500 rpm
Rod diameter	$\varnothing 6 - 8 - 10$ mm
Rod material	Stainless steel
Case diameter	$\varnothing 50$ mm
Case material	Aluminium and painted steel
Protection level	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

### Mechanical Specifications



Rod Type / Axial

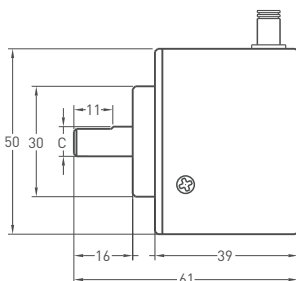


#### Push - Pull Cable Output

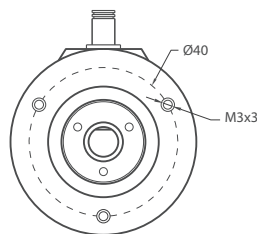
- +V : Brown
- 0V : White
- GND : Shield
- Ch A : Yellow
- Ch B : Green
- Ch Z : Gray

#### TTL - HLD - Linedriver Cable Output

- +V : Brown
- 0V : White
- GND : Shield
- Ch A : Yellow
- Ch B : Green
- Ch Z : Gray
- Ch A inv.: Blue
- Ch B inv.: Red
- Ch Z inv.: Pink



Rod type / Radial



MRI 50A	R (rod)	
	C	D
	$\varnothing 6$ mm	5,50 mm
$\varnothing 8$ mm	7,30 mm	
$\varnothing 10$ mm	9,00 mm	

### Ordering Procedure

Model	Case diameter	Case type	Rod diameter	Output type	Resolution	Output signal	Power supply	Connector / Cable	Cable output
MRI	50	A	R8	HLD	500	Z	V3	2M5	R
MRI	50 mm	A : Clamping flange AW: Watertight	R6 : 6mm R8 : 8mm R10 : 10mm	TT : TTL LD : Linedriver LTP : Push-Pull HLD : High Linedriver	4 - 1024 ppr.	Z : A, B, Z B : A, B Z $\bar{Z}$ : A $\bar{A}$ , B $\bar{B}$ , Z $\bar{Z}$	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