

# MRI 40A

## Rotary Incremental Encoder



### INCREMENTAL

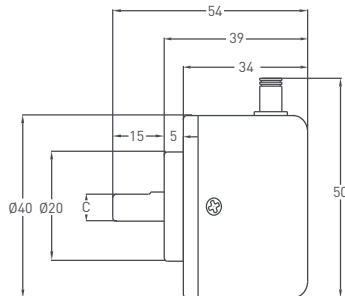
- 40 mm case diameter
- 4 - 8 - 16 - 20 - 25 - 32 - 40 - 50 - 64 - 80 - 100 - 125 - 128  
160 - 200 - 250 - 256 - 400 - 500 - 512 - 800 - 1000 - 1024 ppr.
- Push-Pull, TTL, Linedriver, Highlinedriver output
- Rod diameter 4 - 6 - 8 mm
- IP 54 protection level



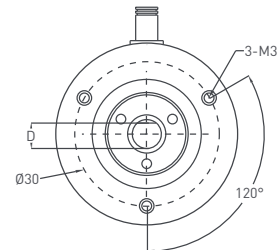
### Technical Specifications

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	TTL, Linedriver, Push-Pull, Highlinedriver
Power supply	8-24 VDC (standard) or 5 VDC (optional)
Power consumption (without load)	<40 mA (24 VDC)
Electrical connection	2,5 meter cable (standard)
Max. permissible shaft loading : Radial	100 N
: Axial	60 N
Displacement speed	3500 rpm
Rod diameter	$\varnothing 4 - 6 - 8$ mm
Rod material	Stainless steel
Case diameter	$\varnothing 40$ 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 / Radial



#### Push-Pull Cable Output

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

#### TTL - HLD - Linedriver Cable Output

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

MRI 40	R (rod)	
	C	D
	$\varnothing 4$ mm	3,3 mm
	$\varnothing 6$ mm	5,5 mm
	$\varnothing 8$ mm	7,3 mm

### Ordering Procedure

Model	Case diameter	Case type	Rod diameter	Output type	Resolution	Output signal	Power supply	Connector / Cable	Cable output
MRI	40	A	8	HLD	512	Z	V2	2M5	R
MRI	40 mm	A : Clamping flange AW : Watertight	R4 : 4 mm R6 : 6 mm R8 : 8 mm	LTD : Push-Pull LD : Linedriver HLD : High Linedriver TT : TTL	4 - 1024 ppr.	Z : A, B, Z B : A, B ZZ : AA, BB, ZZ	V1 : 5 VDC V2 : 8 - 24 VDC	2M5 : 2,5 meter cable 5M : 5 meter cable 8M : 8 meter cable 10M : 10 meter cable C12 : 12 pin connector	R : Radial A : Axial