

MRI 50SH

Magnetic Incremental Encoder Semi Hollow Shaft Case

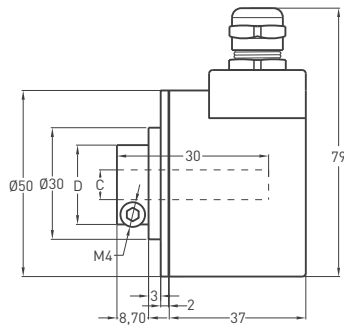


- 50 mm case diameter
- Semi hollow shaft case
- 4 - 8 - 16 - 20 - 25 - 32 - 40 - 50 - 64 - 80 - 100 - 124
128 - 160 - 200 - 250 - 256 - 400 - 500 - 512 - 800 - 1000 - 1024 ppr.
- Push-Pull, TTL, HLD or Linedriver output
- Hollow diameter 6 - 8 - 10 - 12 - 14 - 15 mm
- 3500 rpm max.

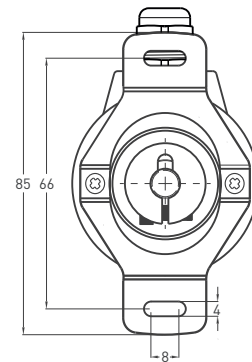
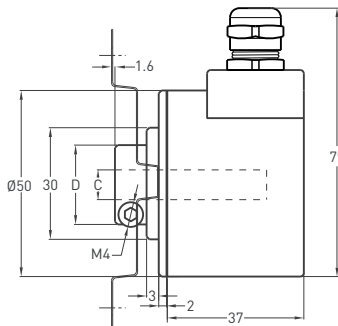


Technical Specifications	
Type of measurement	Magnetic incremental non-contact
Resolution	4 - 1024 ppr.
Output channels	A, B, Z ya da A, $\bar{A}$, B, $\bar{B}$, Z, $\bar{Z}$
Output type	Push-Pull, TTL, HLD or Linedriver output
Power supply	8 - 24 VDC (standard) or 5 VDC (opsiyonel)
Power consumption (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	Ø6 - 8 - 10 - 12 - 14 - 15 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



SH Tipi (Radial)



MRI 50SH / H	SH (semi hollow)	
	C	D
	Ø6 mm	20 mm
	Ø8 mm	23 mm
	Ø10 mm	23,5 mm
	Ø12 mm	23,5 mm
	Ø14 mm	29,5 mm
	Ø15 mm	29,5 mm

Push-Pull Cable Output

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

TTL - HLD 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

Ordering Procedure

Model	Case diameter	Case type	Hollow diameter	Output type	Resolution	Output signal	Power supply	Connector / Cable	Cable output
MRI	50	SH	8	HLD	512	Z	V2	2M5	R
MRI	50 mm	SH : Semi hollow	6 : 6mm 8 : 8mm 10 : 10mm 12 : 12mm 14 : 14mm 15 : 15mm	TT : TTL LD : Linedriver LTP : Push-Pull HLD : High Linedriver	4 - 1024 ppr.	Z : A, B, Z LD : A, B Z $\bar{Z}$: $\bar{A}\bar{A}$, $\bar{B}\bar{B}$, $\bar{Z}\bar{Z}$	V1 : 5V DC V2 : 8 - 24V DC V3 : 5 - 24V DC	2M : 2.5 meter cable 5M : 5 meter cable 8M : 8 meter cable 10M : 10 meter cable	R : Radial

Please note: The specifications and information in this datasheet may not cover all special demands arising from specific applications. Therefore, they do not constitute a comprehensive description of the product properties. OPKON accepts no responsibility for damages resulting from the improper application of our products. The user is responsible for ensuring that the products used are suitable for their own application.