

PRI 50LH

Optic Rotary Incremental Encoder



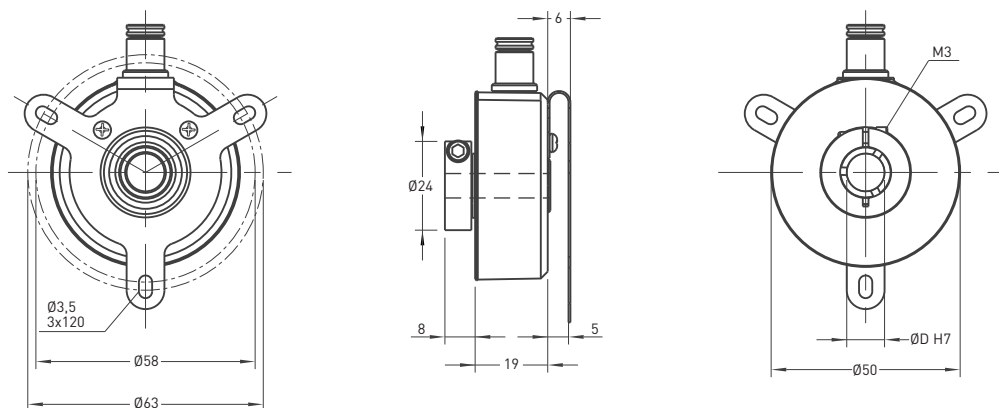
- 50 mm case diameter
- Hollow shaft case
- 1024 ppr.
- Push-Pull, TTL, Linedriver or HLD outputs
- Hollow shaft diameter 6-8-10-12 mm
- 3500 rpm max.



Technical Specifications

Resolution	1024 ppr.
Output channels	A,B,Z or A,Ā, B,Ā, Z,Z̄
Output type	Push-Pull, TTL, Linedriver, HLD
Power supply	5 VDC, 5-24 VDC or 8-24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2.5m (standard) 5 channels+Shield (Push-Pull) 2.5m (standard) 8 channels+Shield (Linedriver)
Max. permissible shaft loading radial	100 N
Max. displacement speed	3500 rpm
Rod diameter	Ø6-8-10-12 mm
Rod material	Stainless steel
Case diameter	Ø50 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



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

Ordering Procedure

Model	Case diameter	Case type	Hollow shaft diameter	Output type	Resolution	Output channels	Power supply	Connector / Cable	Cable output
PRI	50	LH	8	HLD	1024	Z	V2	2M5	R
PRI	50mm	LH : Hollow	6 : 6 mm 8 : 8 mm 10 : 10 mm 12 : 12 mm	LTP : Push-Pull LD : Linedriver HLD : High Linedriver	1024 ppr.	Z : A, B, Z B : A, B ZZ : AA, BB, ZZ	V1 : 5V DC V2 : 8-24V DC V3 : 5-24V DC	2M5 : 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.