

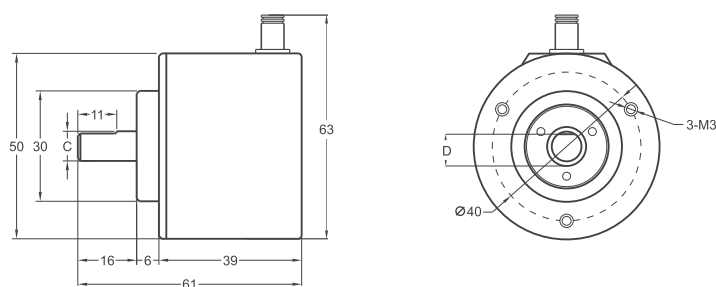
Optic Rotary Incremental Encoder

- 50 mm case diameter
- 100 - 200 - 360 - 400 - 500 - 600 - 720 - 1000 - 1024
1800 - 2000 - 2048 - 2500 - 3600 - 4000 - 4096 - 5000 ppr.
- Push-Pull, TTL Linedriver and HTL Linedriver outputs
- Shaft diameter 6 - 8 - 10 mm
- 3500 rpm max.



Technical Specifications

Resolution	100 to 5000 ppr.
Output Channels	A,B,Z or A,Ā, B,Ā, Z,Z̄
Output Type	Push-Pull, TTL Linedriver, HTL Linedriver
Supply Voltage	5 VDC, 8 - 24 VDC or 5 - 24 VDC
Power Consumption (without load)	< 40 mA (24 VDC)
Cable	2.5 m (standard), shielded 5 wire cable for Push-Pull 2.5 m (standard), shielded 8 wire cable for Linedriver
Max. Permissible Shaft Loading	Radial 100 N Axial 60 N
Max. Speed	3500 rpm
Shaft Diameter	Ø6 - 8 - 10 mm
Shaft Material	Stainless steel
Case Diameter	Ø50 mm
Case Material	Aluminium and painted steel
IP Degree	IP 54
Operating Temperature	-20°C ... +80°C
Storage Temperature	-30°C ... +90°C



Shaft Type / Radial

PRI 50	R (shaft)	
	C	D
	Ø6 mm	5,50 mm
	Ø8 mm	7,30 mm
	Ø10 mm	9,00 mm

Push-Pull Cable Output

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

TTL - HTL 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

Model	Case Diameter	Case Type	Shaft Diameter	Output Type	Resolution	Output Channels	Supply Voltage	Connector / Cable	Cable Output
(example) PRI	50	A	R6	HLD	1024	Z	V2	2M5	R
PRI	50mm	A: Clamping flange	R6 : 6 mm R8 : 8 mm R10: 10 mm	LTP : Push-Pull LD : TTL Linedriver HLD: HTL Linedriver	100 ... 5000 ppr.	Z: A,B,Z B: A,B	V1: 5 VDC V2: 8-24 VDC V3: 5-24 VDC	2M5: 2,5 meter cable 5M : 5 meter cable 8M : 8 meter cable 10M: 10 meter cable	R: Radial