

Incremental Encoder



Special features :

- ▶ Special rugged housing and High-strength metal disk for high vibration and shock resistance
- ▶ HeavyDuty design for high shaft load
- ▶ Advanced high-reliability optical reading system, good performance in electromagnetic compatibility
- ▶ Overvoltage, overcurrent, surge protection.
- ▶ Output signals HTL or TTL
- ▶ 9-30VDC,Single power supply, polarity protection
- ▶ IP 66, available for outdoor use
- ▶ 2 years warranty

Product application:

- ▶ Applicable for displacement and velocity measurement of heavy equipments under extremely harsh environment

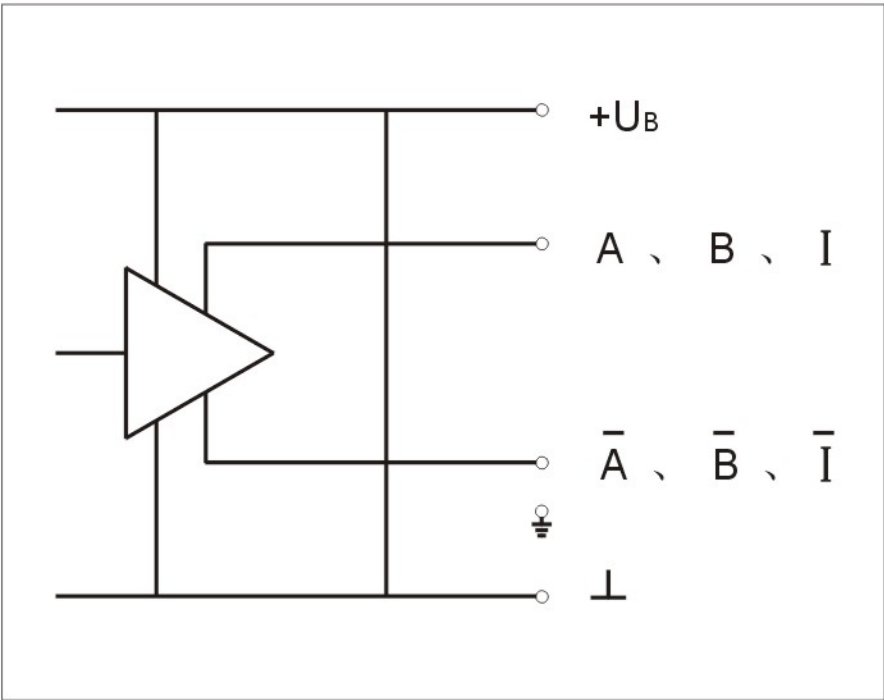
Electrical Specification

Cycles per turn	500 512 600 1000 1024 1200 1250 2000 2048 2500 3072 4096
Out frequency	120KHz
Rise time	≤10V/μs
Supply voltage UB	+9V~+30V or +5V
Current consumption at no-load	≈100mA
Out voltage (UB=24V)	UL≤1.5V; UH≥UB-3.5V
Maximum load current per channel	60mA/average; 200mA/peak
Mark space ratio	1:1 ±20%
Square wave displacement	90° ±20%

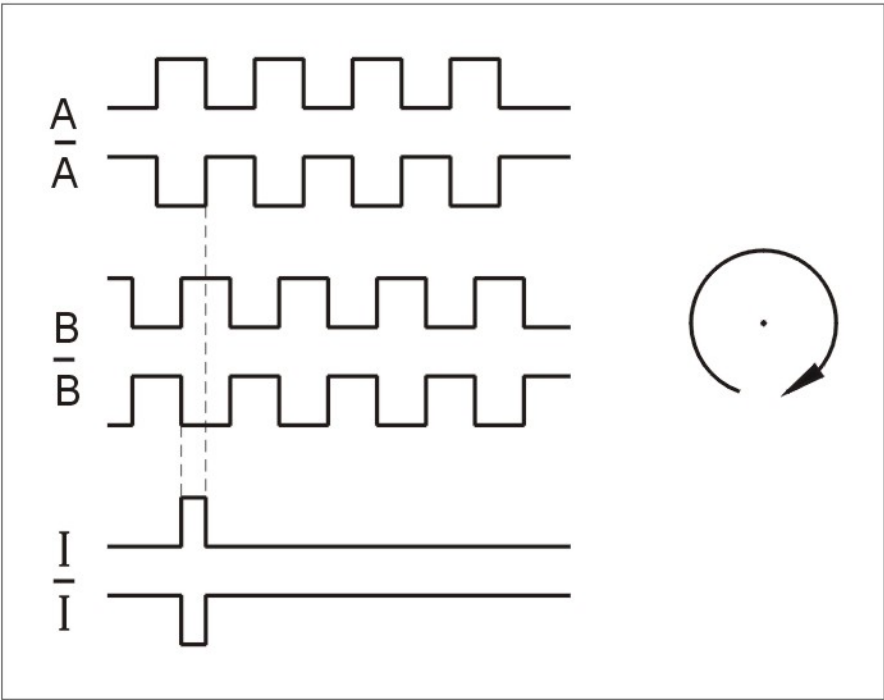
Mechanical Specification

Solid shaft diameter	φ11mm Stainless steel
Moment of inertia	≈ 500gcm ²
Speed max	≤6000r/min
Driving torque	≈ 2Ncm
Maximum shaft load	Axial 300N; radial 450N
Vibration resistance	≤20G/10~2000Hz
Shock resistance	≤200G/6ms
Permissible encoder temperature	-40℃~+85℃
Protection class	IP66
Weight	≈ 2.5Kg

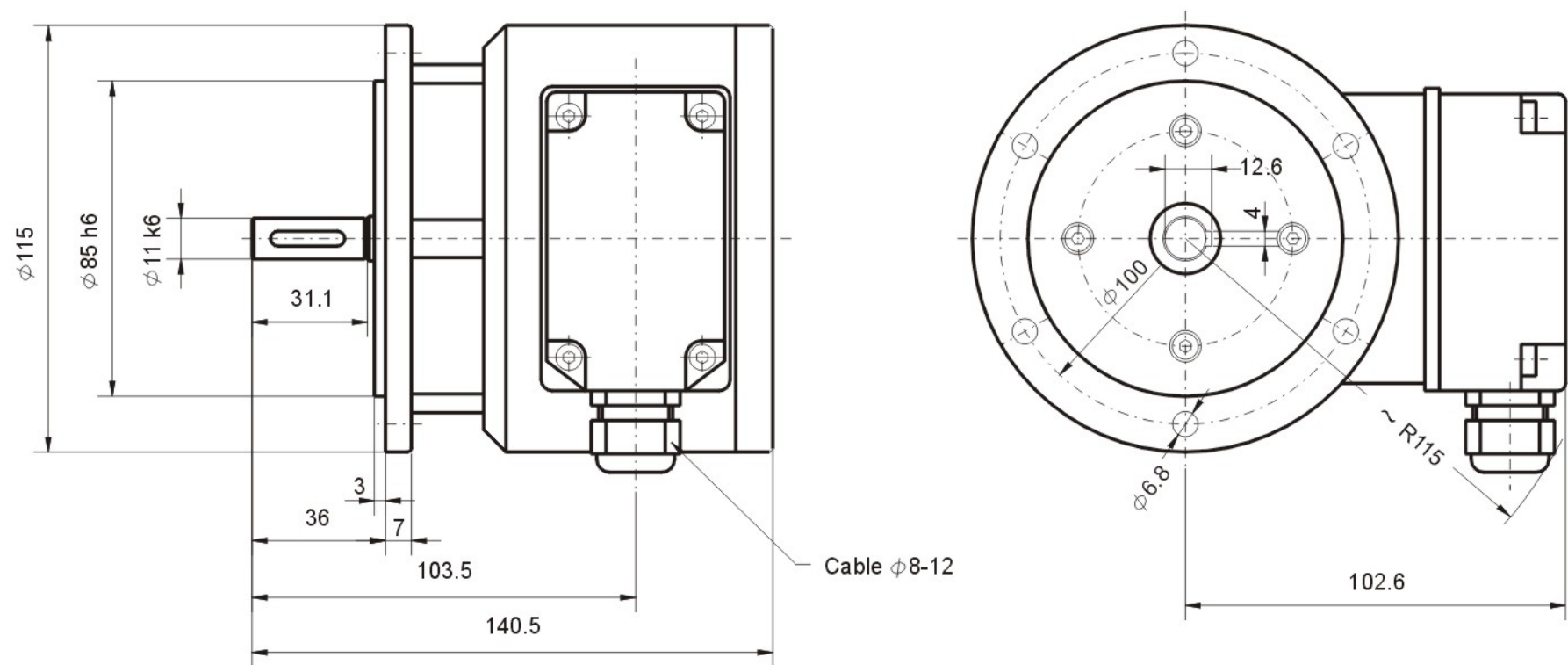
Output Circuit



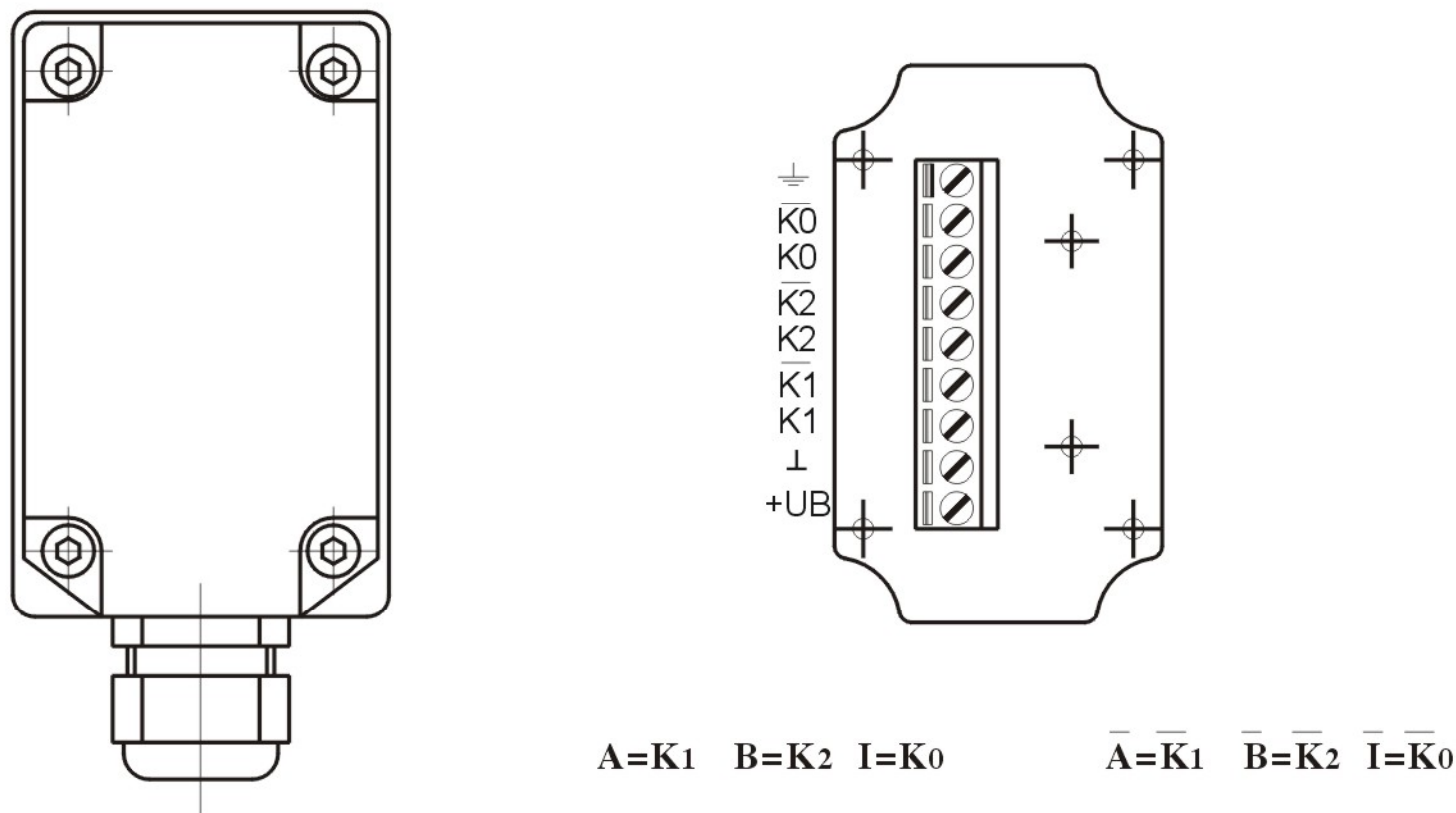
Output Signals



■ Dimensions



■ Connection



■ Ordering Information

CXB		10	3	1024	A
Manufacturer: CXB				A:HTL; B:TTL	
Type: 10 Series Heavy-duty Incremental				Cycles per turn: 500 512 600 1000 1024 1200 1250 2000 2048 2500 3072 4096 (Other needs contact with the manufacturer)	
Codewheel materials: 1. Glass; 2. Plastic; 3. Metal					

Remarks: Technical modifications reserved.

■ Guarantee

2 years warranty within the conditions of Normal use and maintenance.



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