

ERC10 SINE

SINE / COSINE Servo Motor Encoder



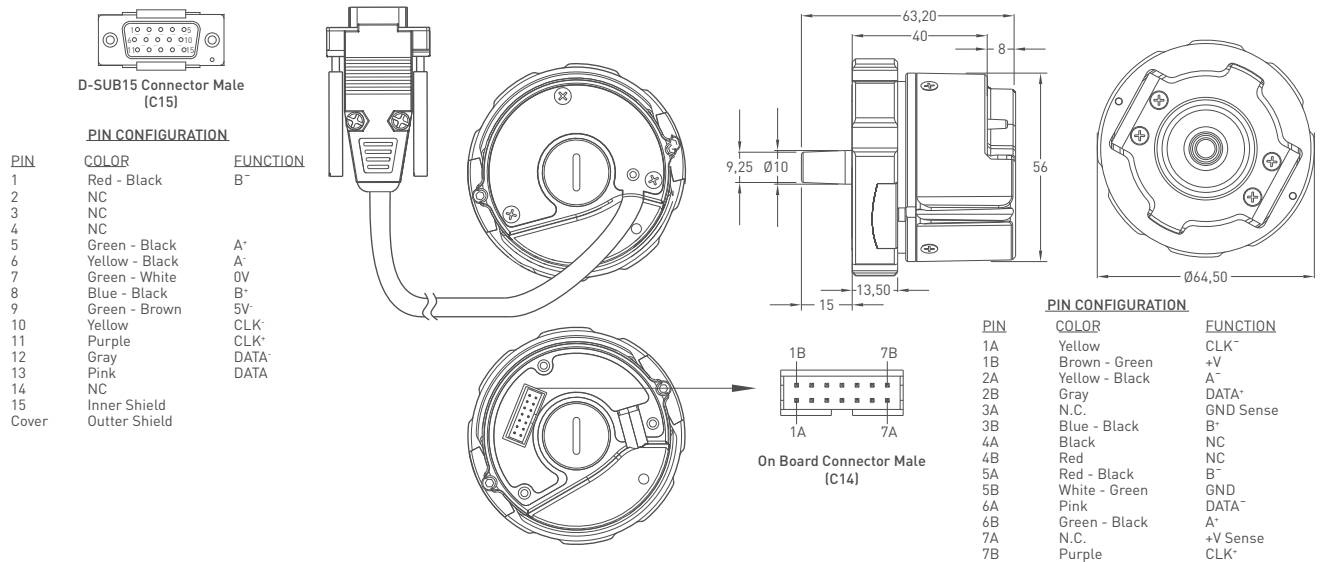
- For gearless synchronous elevator motor application
- 1 Vpp / 1 ppr. absolute commutation signals
- 1 Vpp / 2048 ppr. incremental A/B signals
- 1 Vpp reference signal



Technical Specifications

Power supply	5 - 20 VDC ±%5
Current consumption (without load)	130 mA max.
Resolution	2048 ppr.
Output circuit	Analog
Pulse (ppr.) frequency	< 200 kHz
Working principle	Optic
Accuracy	<2048 / ±40
Incremental channels	A, A inv. B, B inv. / 2048 ppr. (SINE 1 Vpp)
Absolute channels	C, C inv. D, D inv. / 1 ppr. (SINE 1 Vpp)
Flange	Special flange for servo motor
Case diameter	Ø56 mm
Rod diameter	Cone 1/10
Rod axial / radial load	max. 30 N
Starting torque	min. 0,17 Ncm
Electrical connections	18 pin pcb type connector or DB15 connector with 20 cm cable
Weight	340 gr. (without cable)
Shock	100 gr. 5 m/s
Vibration	10 gr. 5-2000 Hz
Protection level	IP 47
Operating temperature	-20°C ... +85°C
Stroge temperature	-20°C ... +85°C

Mechanical Specifications



Ordering Procedure

Model	Case diameter	Case type	Rod diameter	Interface	Resolution	Output signal	Power supply	Connector / Cable
PRA	56	ERC	10	SC	2048	VP	V1	0m5 C15
PRA	56 mm	ERC	10	SC : sine / cosine	2048	VP : 1 Vpp	V1 : 5 VDC	0m5 C15 C14