

NEMICON

ABSOLUTE TYPE

N35ST Model

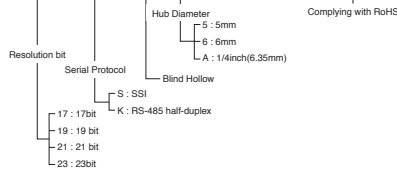


23 bit Single turn

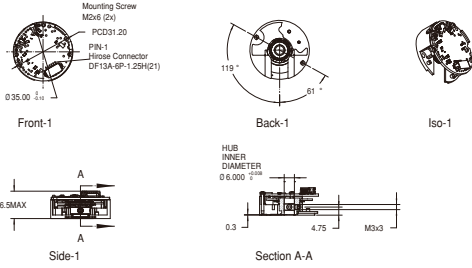
- Module type
- Compact (φ35)

N35ST

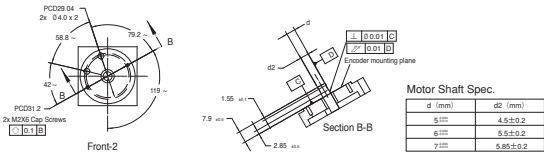
Model
N35ST- [] [] [] -B [] -000-00E



Dimension



Mounting



Electrical Spec.

Current Consumption	120mA Max (No load)
Supply Voltage	5V ± 0.5V
Electrically Permissible Speed	< 12000 min ⁻¹
Initialization Time	< 500 ms

Mechanical Spec.

System Accuracy (With electrical correction)	±300 Arc-sec (T _{amb} = 25°C)	
Mechanical Permissible Speed	< 12000 min ⁻¹	
Shaft Play	Axial	≤±0.15 mm
	Radial	≤±0.05 mm

Connection

Pin No	SSI	RS-485
1	GND, Ground	GND, Ground
2	VCC, Encoder Supply	VCC, Encoder Supply
3	DOU ⁻	Data ⁻
4	DOU ⁺	Data ⁺
5	SCL ⁻	NA
6	SCL ⁺	NA

*Recommended mating connector:

Hirose Part No : DF13-6S-1.25C (CL0536-0005-5-00)

Hirose (Terminal Pin for Wire 26-30AWG) : DF13-2630SCF (CL No.536-0300-5)

Environmental Spec.

Storage Temperature	- 40 to + 105°C
Operating Temperature	- 40 to + 105°C
Relative Air Humidity (Non-Condensing)	90%RH (T _{amb} = 40°C)
Vibration	10G; 10 to 2000Hz
Shock	6ms; Half Sine; 200G
Electrostatic Discharge (Module level)	± 8kV (contact) ± 12kV (air)

Data communication

Interface	SSI		RS-485	
	Circuit	Interface	Circuit	Interface
Serial Clock(MA)	Transceiver(P/N:SN65LBC1790)	Serial Data(DATA+)	Transceiver(P/N:ISL8485E)	
Serial Data(SLO)	Transceiver(P/N:SN65LBC1790)	Serial Data(DATA-)	Transceiver(P/N:ISL8485E)	

[Note]

There are an Alignment Fixture and a Phase calibration kit (Biss-C or RS-485) available separately. Please contact our Sales for inquiries about this product of details.

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