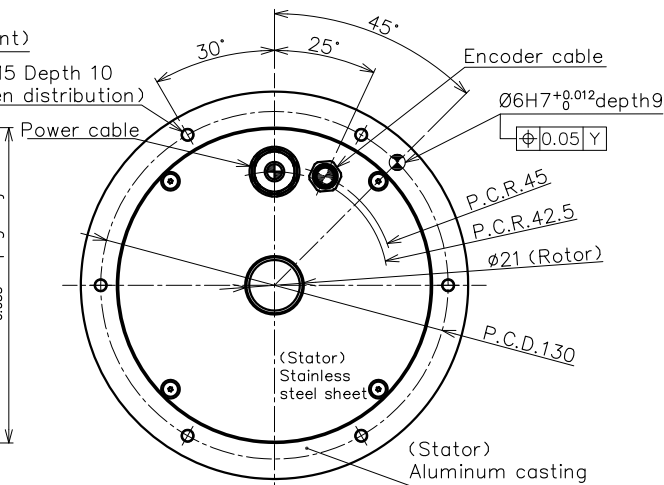
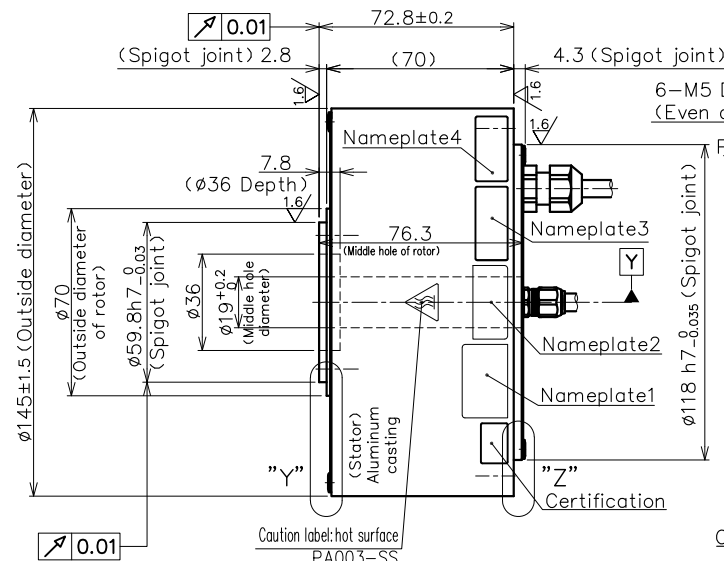
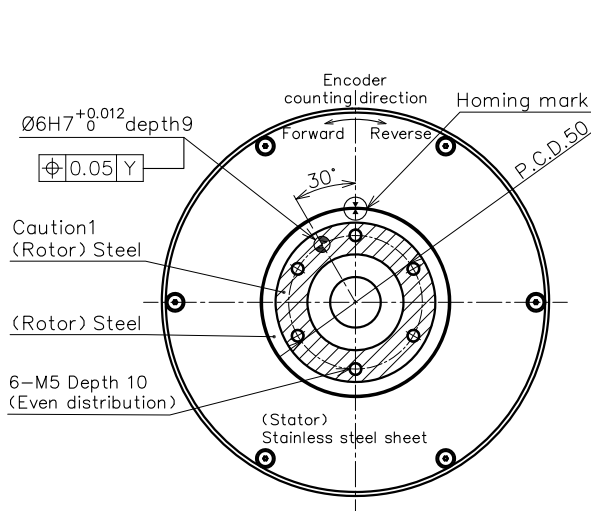
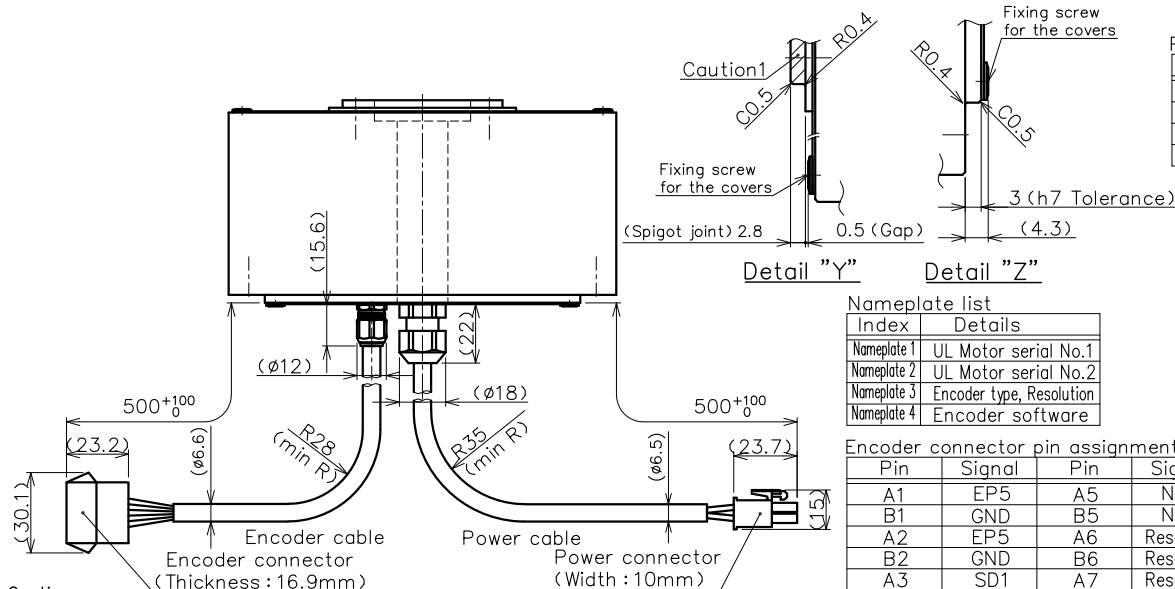




Caution: Follow the bottom view for the cable layout.



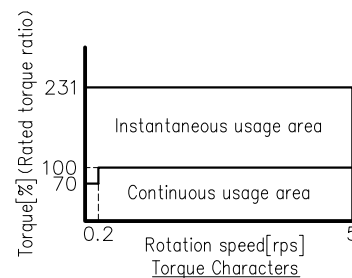
Pin	Phase	Line color
1	U	Black
2	V	Black
3	W	Black
4	Ground	Green/Yellow



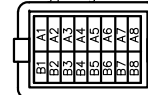
Power connector
Housing
172167-1 (TE)
Pin
170364-1 (TE)

Specifications

Items	Unit	Specifications
Rated torque	N·m	8.7
Max torque	N·m	20.1
Rated current	A	3.4
Rated rotation speed	rps	5
Rated output	W	275
Encoder type	Optical absolute (Single-turn)	
The signal output	Serial communication	
Interpolation unit	Built-in motor	
Detection pulse	PPR	2,097,152
Electrical detection resolution	arc second	0.618
Allowable moment load	N·m	17.3
Allowable axial load	N	2,400
Radial runout (No load)	mm	0.01
Axial runout (No load)	mm	0.01
Rotor moment of inertia	kg·m ²	0.00084
Mass	kg	4.1
Magnetic pole detection	Absolute position detection	
Power Source	ACV	3-phase 200V AC
Paired servo driver		400W
Duty type	—	Continuous (S1)
Mounting attitude	Horizontal (Rotor facing upward)	★
Protection class	IP	40
Operating temperature	°C	0~40
Humidity (Non-condensing)	%	0~85
Vibration resistance	G	1
Withstand voltage	AC 1500V for 1 min. only	
Insulation resistance	Ω	100M or higher



Typing side



Encoder connector
Housing (JST)
J21DPM-16V-KY
Contact (JST)
SJ2M-002GF-M1.0N

Caution

- This product is designed to use at no condensing atmosphere, and we apply the transparent coating agent on the surface of spigot joint (Axial and Radial) of rotor part for the rust prevention. For cleaning up of the spigot joint of rotor, please make sure to use drycloth. Never use the organic solvent such as acetone, ethanol, or others agent since the organic solvent may lead to rust.
- Allowable axial load and allowable moment load indicated in the spec. sheet are the maximum allowable load when each load is independently activated. Please make sure to consult us in case of combined load at the axial load, radial load, and moment load to be activated, or life of the motor.
- Please do not wire the pin (A6~B7) which is reserved for encoder manufacturer to avoid the encoder troubles.

- Un-used PINS : A4, A5, B4, B5
- Special model motor, please refer to the special drawing.

Rev. mark	Rev. note	Approved Date	Checked Date	Designed Date
1				
2				
3				
4				
5				
6				
7				
8				

NOTE	File name/SX-02110B.dwg	Entry no. R1-735,13	Product no. 248-551,0
Approved	Checked	Designed	Surface treatment
			Material
			Refer drawing
			Scale 1/2
			Third angle projection

Model	Title	Drawing No.	REV.
Model : DSC Motor ND140-70 (LSP-UC) (ABS) NMR-SREJA2A-281AP-UC	Dimensions (ABS High precision)	SX-02110B	