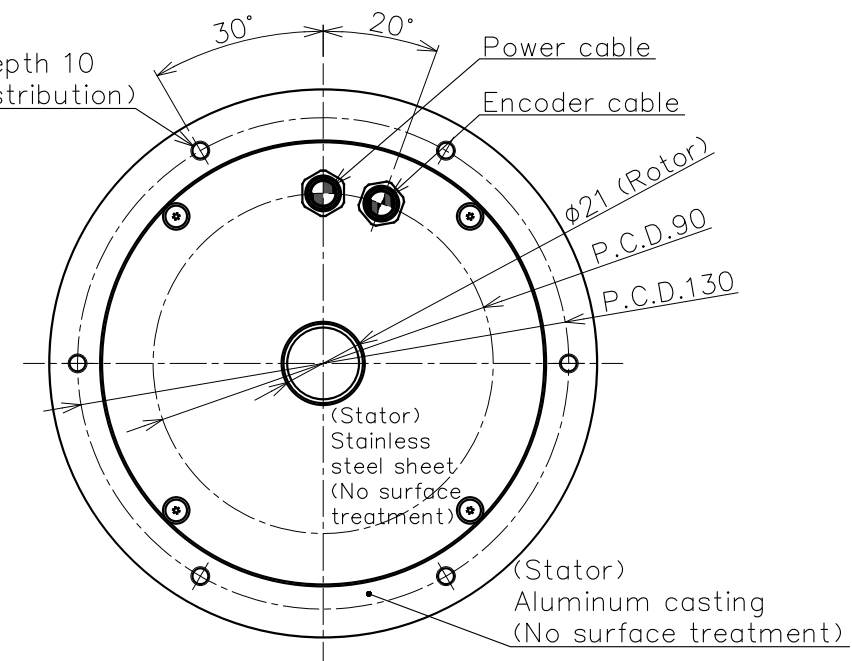
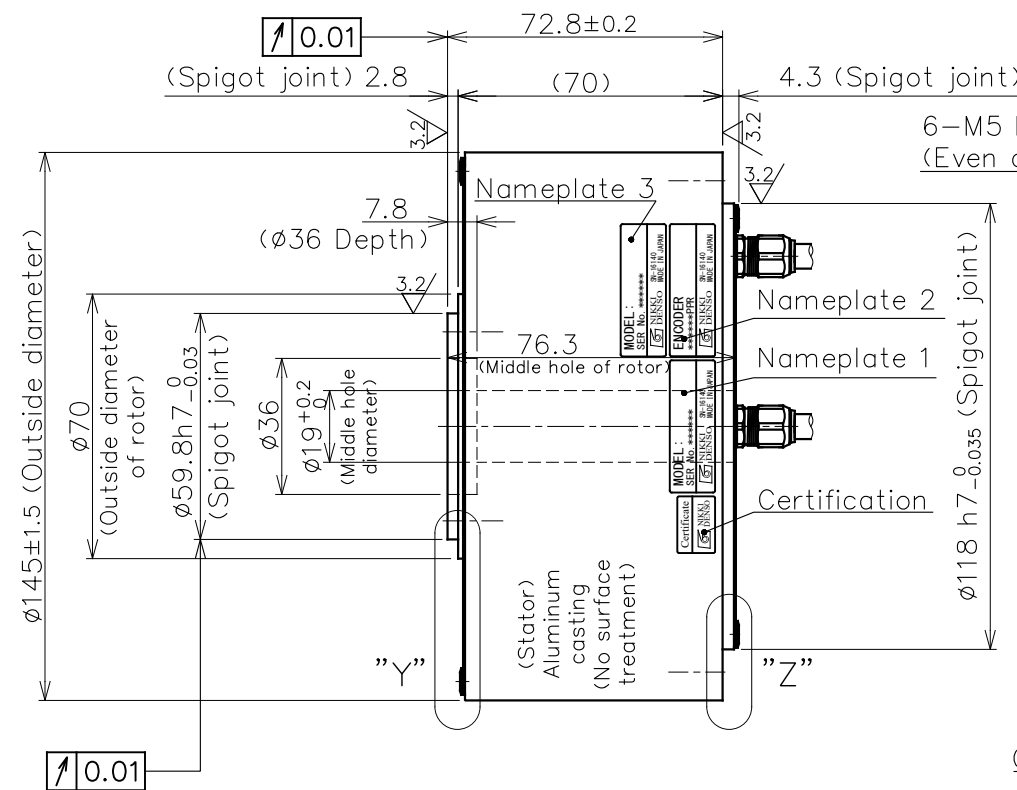
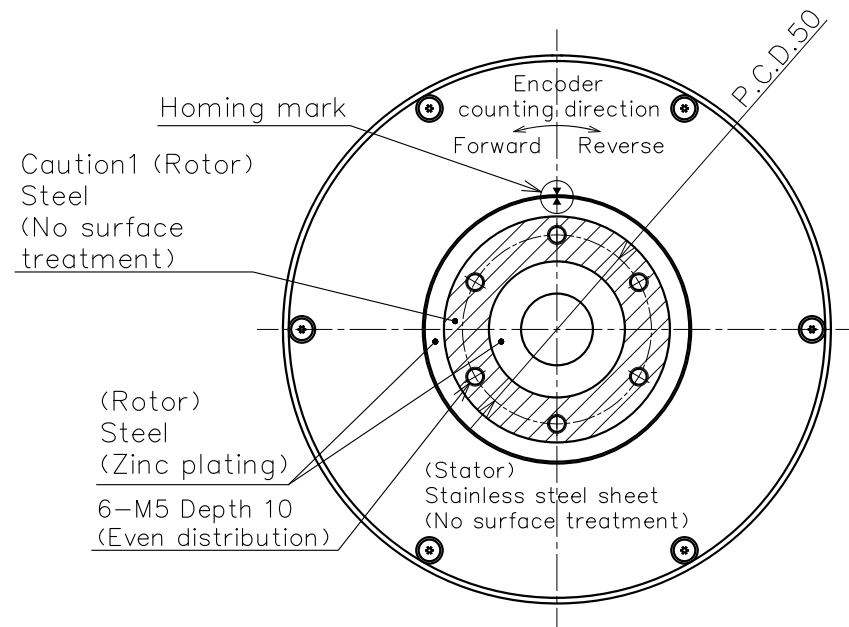
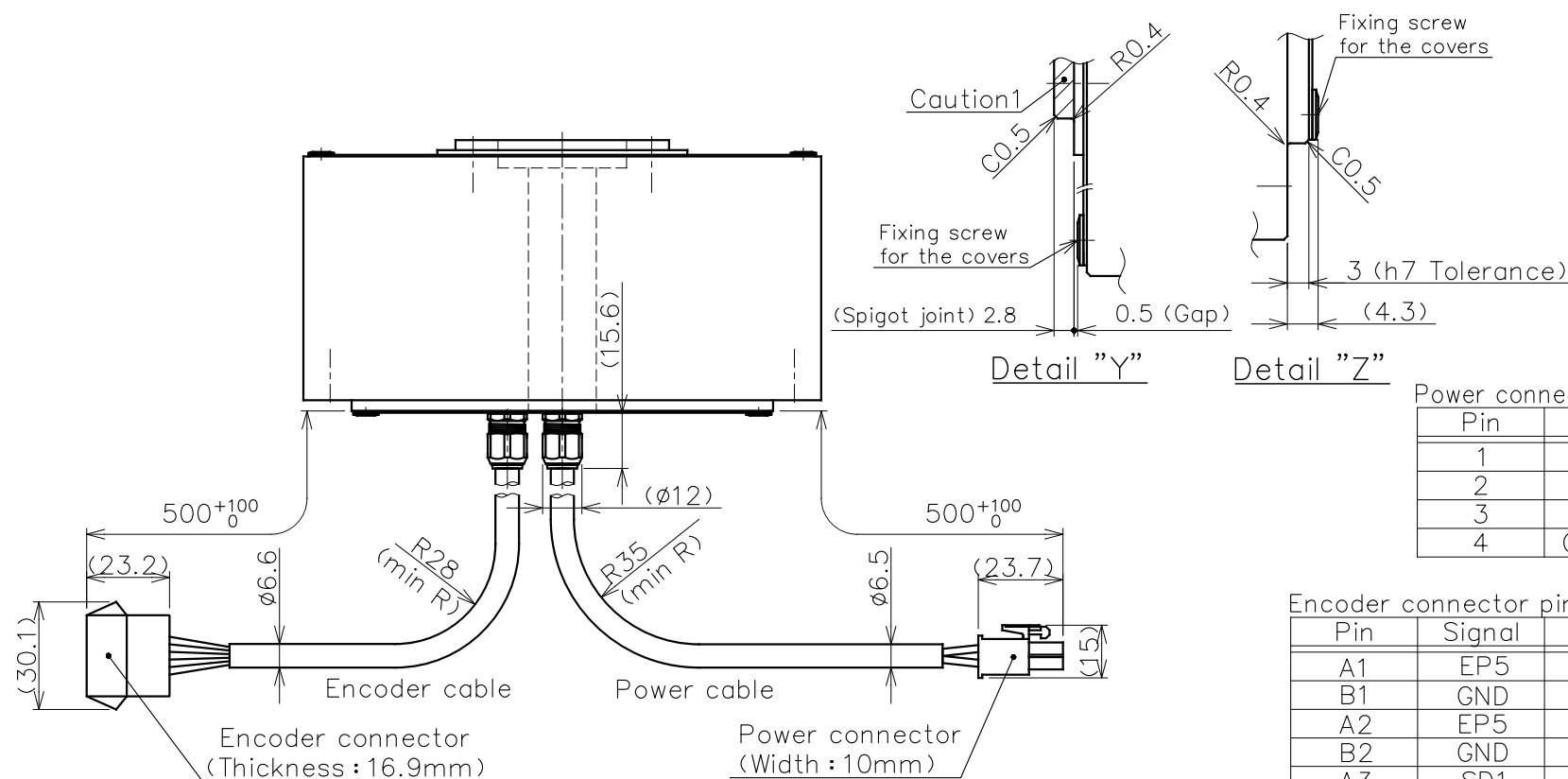


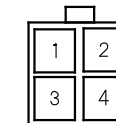


Caution: Follow the bottom view for the cable layout.

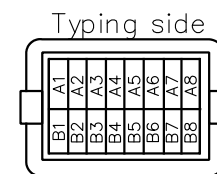


Nameplate list	
Index	Details
Nameplate 1	Motor serial No.
Nameplate 2	Encoder type, Resolution
Nameplate 3	Encoder software

Power connector pin assignment		
Pin	Phase	Line color
1	U	Red
2	V	White
3	W	Black
4	Ground	Green



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



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

Encoder connector pin assignment			
Pin	Signal	Pin	Signal
A1	EP5	A5	N.C.
B1	GND	B5	N.C.
A2	EP5	A6	Reserved
B2	GND	B6	Reserved
A3	SD1	A7	Reserved
B3	SD1*	B7	Reserved
A4	N.C.	A8	N.C.
B4	N.C.	B8	FG

Un-used PINS: A4, A5, A8, B4 and B5

Specifications

Items	Unit	Specifications
Rated torque	N·m	9.6
Max torque	N·m	22
Rated current	A	3.4
Rated rotation speed	rps	5
Rated output	W	301
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	42
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

Caution

- No surface treatment on the hatching area of rotating position (top surface and spigot joint). Please remove the anticorrosive coating before using the motor.
- 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.

- ◆ The life of bearing and runout accuracy are different by load condition.
★ Please make sure to consult with us if the mounting is other than horizontal attitude.

△									NOTE			File name : SE-79170.dwg			Entry no. R.1-7.1.7.6.2			Product no. 2.4.7-9.2.6.1											
△									Approved			Checked			Designed			Surface treatment			Model								
△																		Refer drawing			r.DISC motor ND140-70-LSP (ABS) NMR-SREJA2A-301AP								
△																		Material			Title								
△																		Refer drawing			Dimensions (ABS) High precision								
△																		Scale			1/2			Drawing No.			REV.		
Rev. mark			Rev. note			Approved			Checked			Designed			CKD NIKKI DENSO CO., LTD			Third angle projection			S E - 7 9 1 7 0								
Entry No.						Date			Date			Date																	