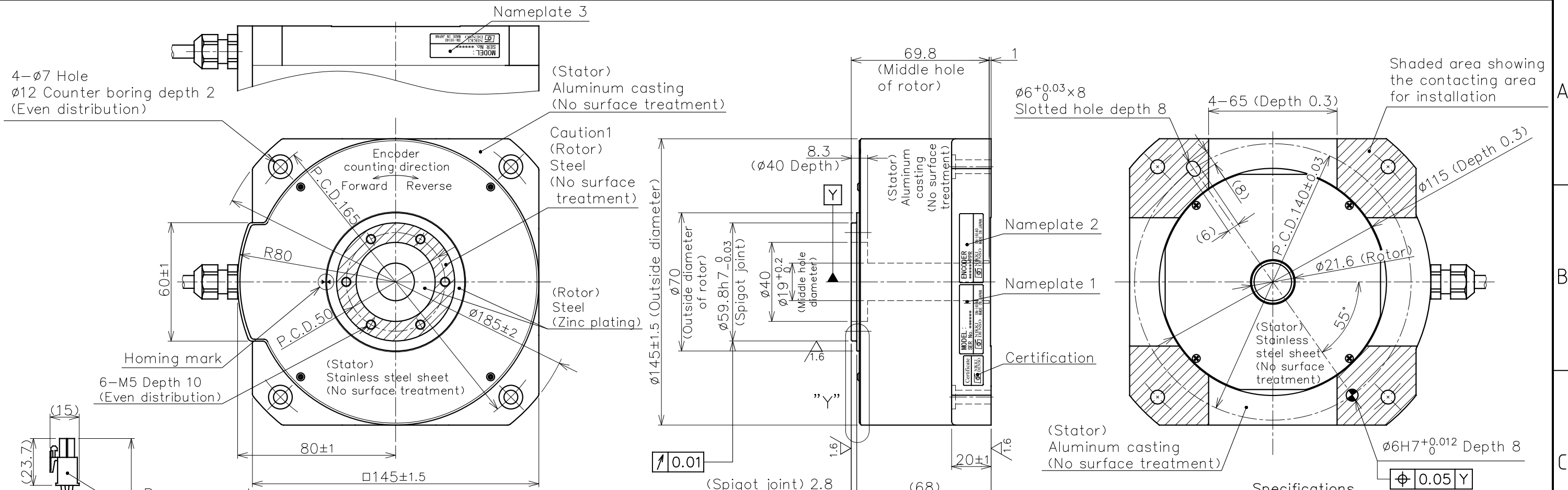




Specifications		
Rated torque	N·m	9.6
Max torque	N·m	22
Rated current	A	3.4
Rated rotation speed	rps	5
Rated output	W	301
Encoder type	Optical absolute (single-turn)	
The signal output	Serial communication	
Interpolation unit	Built-in motor	
Detection pulse	ppr	2,097,152
Electrical detection resolution	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	0.00077
Mass	kg	4.2
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	℃	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

◆ 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.

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

Pin	Signal	Pin	Signal
A1	EP5	A5	N.C.
B1	GND	B5	N.C.
A2	EP5	A6	Reserved (Caution3)
B2	GND	B6	Reserved (Caution3)
A3	SD1	A7	Reserved (Caution3)
B3	SD1*	B7	Reserved (Caution3)
A4	N.C.	A8	N.C.
B4	N.C.	B8	FG

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

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

Typing side

B1	A1	B2	A2	B3	A3	B4	A4	B5	A5	B6	A6	B7	A7	B8	A8
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Detail "Y"

Caution1

Fixing screw for the covers

(Spigot joint) 2.8

0.5 (Gap)

NOTE

File name : SE-79130.dwg

Approved	Checked	Designed

Entry no. R.1-7.1.7.6.2

Surface treatment Refer drawing

Material Refer drawing

Scale 1/2

Third angle projection

Model

DISC motor ND140-65-FSP (ABS). NMR-SCEJA2A-301AP

Title

Dimensions (ABS) High precision

Drawing No.

SE-79130

REV.