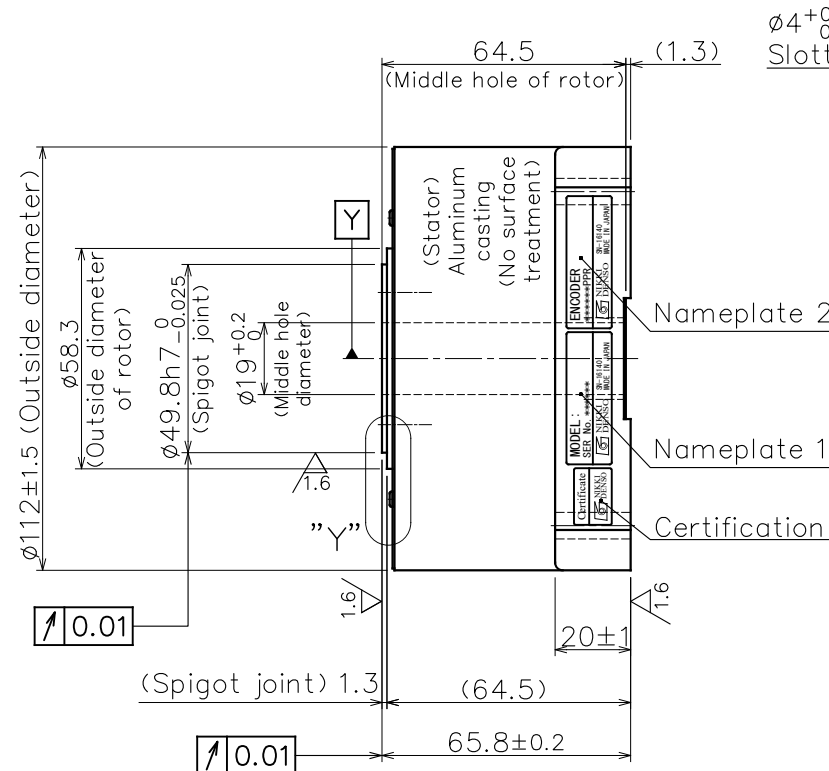


Caution

- 1.No surface treatment on the hatching area of rotating position (top surface and spigot joint)
Please remove the anticorrosive coating before using the motor.
- 2.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.
- 3.Please do not wire the pin (A6~B7) which is reserved for encoder manufacturer to avoid the encoder troubles.

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



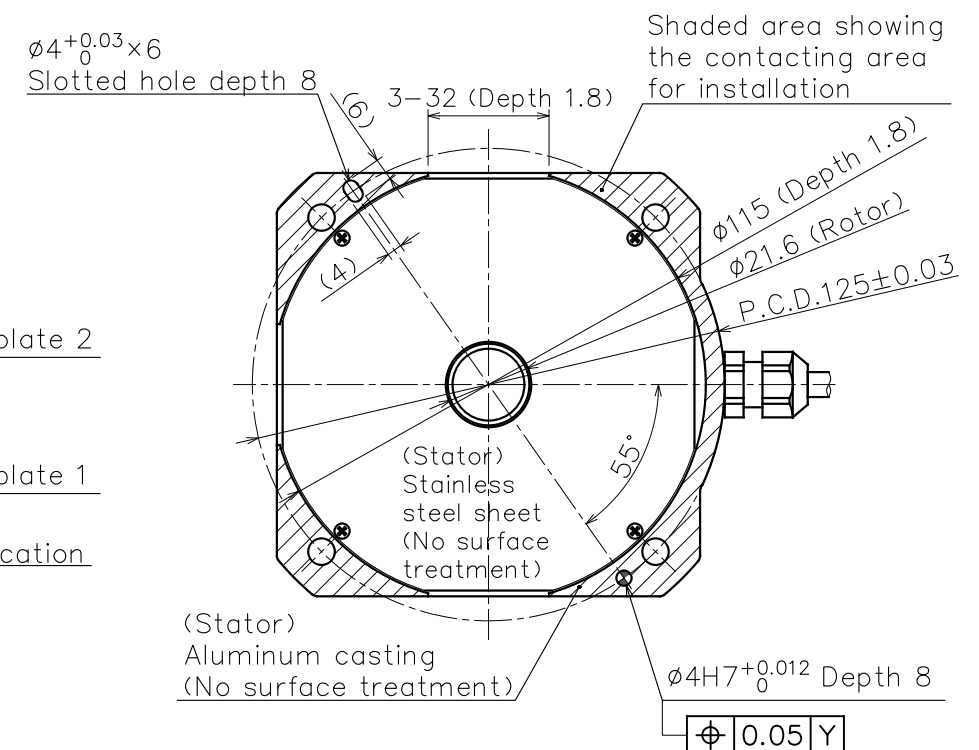
Power connector pin assignment

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

Encoder connector pin assignment

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



Specifications

Items	Unit	Specifications
Rated torque	N·m	4.2
Max torque	N·m	10.5
Rated current	A	2
Rated rotation speed	rps	5
Rated output	W	131
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	6.1
Allowable axial load	N	1,100
Radial runout (No load)	mm	0.01
Axial runout (No load)	mm	0.01
Rotor moment of inertia	kg·m ²	0.00039
Mass	kg	2.2
Magnetic pole detection	Absolute position detection	
Power Source	ACV	3-phase 200V AC
Paired servo driver	200W (VCI,VPH), 400W (VPS)	
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.

NOTE File name : SE-79030.dwg			Entry no. R1-71761	Product no. 2,47-9,211
Approved	Checked	Designed	Surface treatment	Model
			Refer drawing	1-DISC motor NO110-65-FSP (ABS 200V) NMR-SAEJAZA-131AP
			Material	Title
			Refer drawing	Dimensions (ABS 200V) High precision
			Scale 1/2	Drawing No.
			Third angle projection	REV.
				SE-79030

Rev. mark Entry No. Rev. note Approved Date Checked Date Designed Date NIKKI DENSO CKD NIKKI DENSO CO., LTD