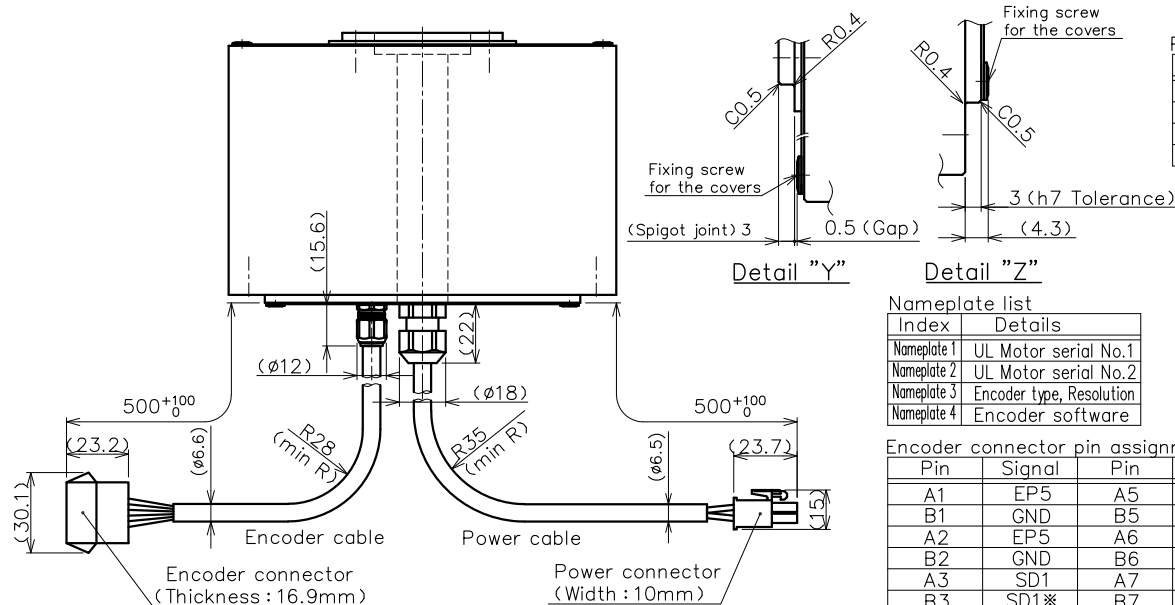
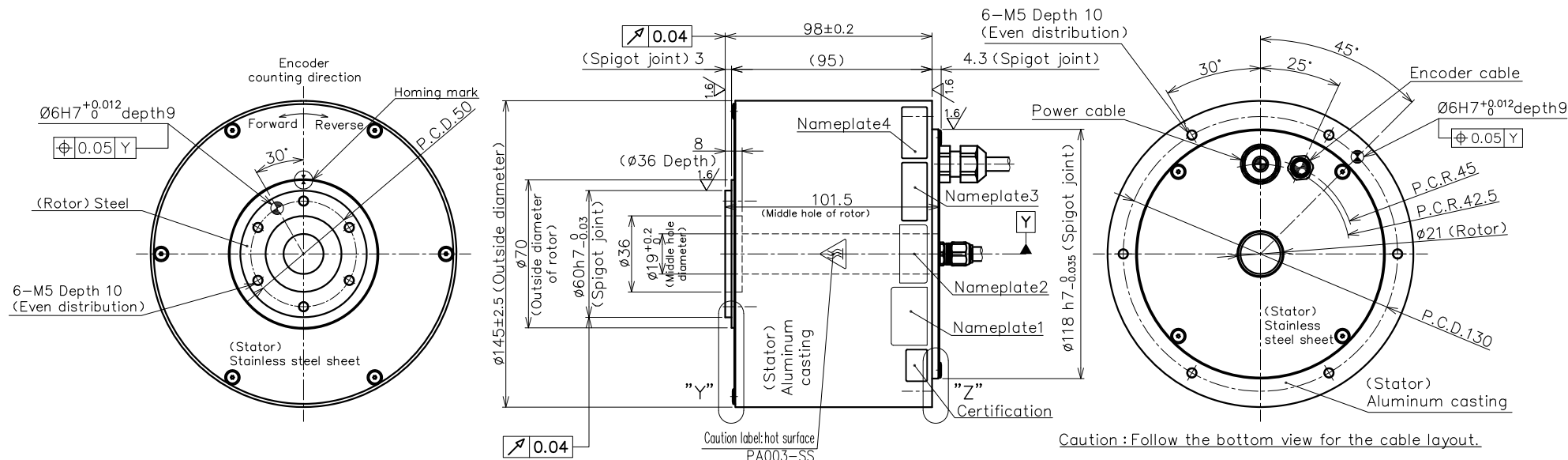


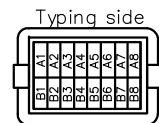
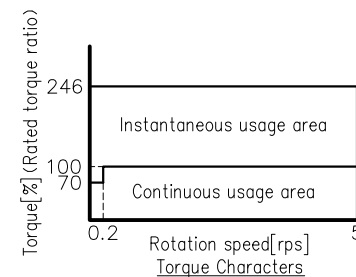


Power connector pin assignment

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)



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

Specifications

Items	Unit	Specifications
Rated torque	N·m	15.0
Max torque	N·m	37.0
Rated current	A	4.0
Rated rotation speed	rps	5
Rated output	W	471
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	0.04
Axial runout (No load)	mm	0.04
Rotor moment of inertia	kg·m ²	0.00134
Mass	kg	5.9
Magnetic pole detection		Absolute position detection
Power Source	ACV	3-phase 200V AC
Paired servo driver		800W
Duty type		Continuous (S1)
Mounting attitude		Horizontal (Rotor facing upward) ★
Protection class	IP	40
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

Caution

- 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.
- Special model motor, please refer to the special model drawing.

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

- 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.

Rev. mark	Rev. note	Approved Date	Checked Date	Designed Date	NOTE	File name/SX-02120B.dwg	Entry no. R.1-735.13	Product no. 248-5520	
					Approved	Checked	Designed	Surface treatment	Model
								Material	Disc Motor MD140-95-LS-UC (ABS) NMR-SFMA2A-471A-UC
								Refer drawing	Title
Entry No.					Scale	1/2	Drawing No.	REV.	
					Third angle projection		SX-02120B		