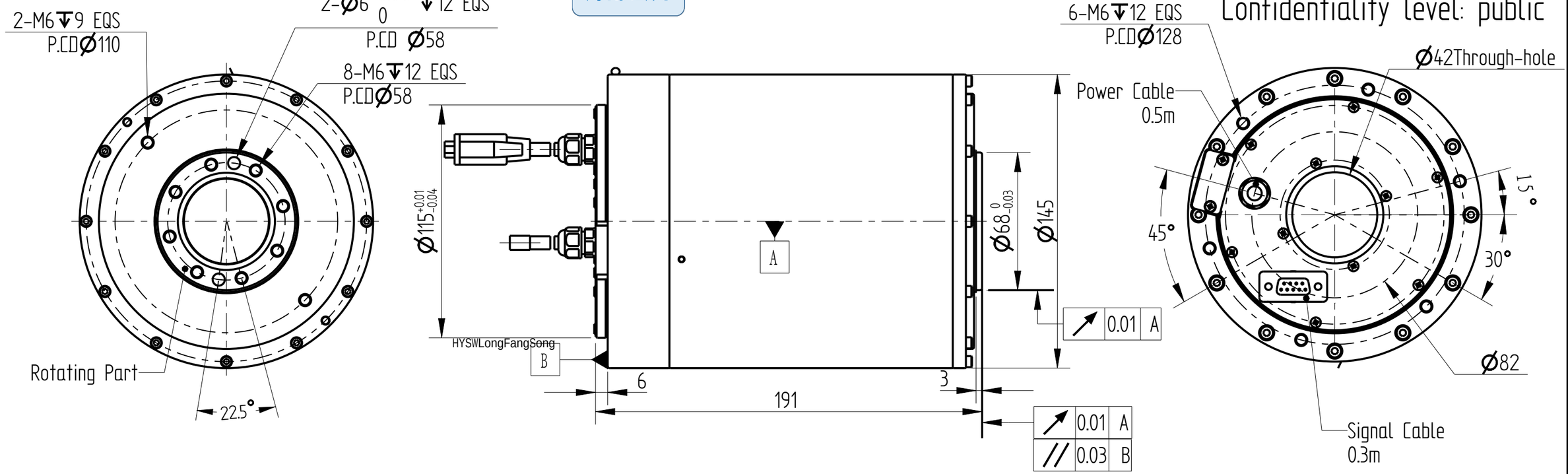
正样 2024.10.12 B01

Copyright: Infringement must be investigated

Unit :Millimeter(mm)

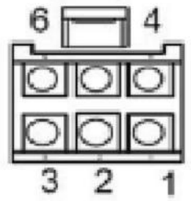
外部公开

Confidentiality level: public

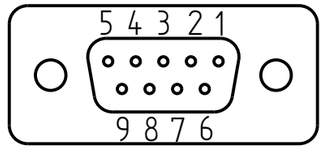


Technical Requirement

1.When the motor is naturally cooled, the debt ratio is less than 60%,
2.When the load rate exceeds 60%, it is necessary to add active cooling measures to the motor so that the casing temperature does not exceed 85℃



Motor power cable connector



Motor signal cable DB9 connector

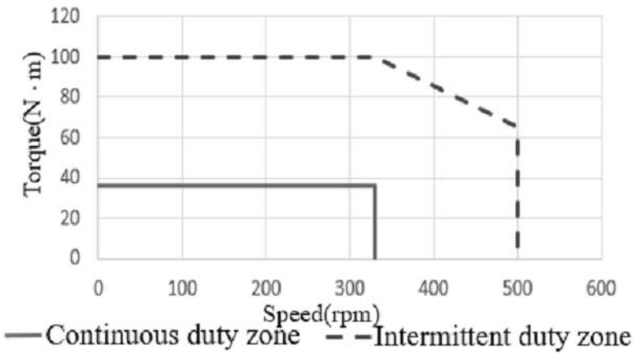
Basic function parameters	
Peak torque at rated speed(Nm)	100
Rated torque(Nm)	36
Max speed(rpm)	500
Rated speed(rpm)	330
Motor resolution(pulse)	8388608
Positioning repeatability(arcsec)	±2
Absolute positioning accuracy(arcsec)	±20
Rotor inertia(10^-4 kgm^2)	33.8
Axial load(pressure)(N)	3200
Axial load(tension)(N)	1050
Torque load(Nm)	108
load surface mounting accuracy (μm)	10

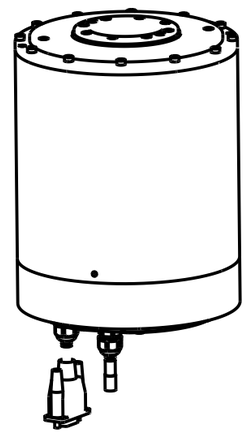
Definition of power cable plug connection

Pin	Phase	Wire color
1	U	White
2	V	Black
4	W	Red
5	P/E	Yellow/Green
6	Shield	Black

Definition of DB connector	
No.	Assignment
1	PS+
2	PS-
3	
4	
5	
6	
7	+5
8	GND
9	

MP1-140S10BB-U323X-INT





B01	New name		20241012
B00	New archive		202311
Version	Change method	Changed by	Date
Design	/		
Check	/		
Craft	/		
Verify	/		
Standardization	/		
Approve	/		

Motor Outline Drawing			01119278-WX
-			Mark / INOVANCE
Weight	Scale	Version	Page 1 of 1
12.7kg	1:2	B01	Model MP1-140S10BB-U323X-INT

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