

Customer sign

BROWN

● 12~24V

BLACK

● OUTPUT

BLUE

● 0V

A:NPN.NC, B:PNP.NC
(表B-近接開關腳位表)

206

175

91.7

10

213

(229)

Motor wiring diagram

Signal	Color
V	White
U	Brown
W	Grey
GND	Shield
T+	Yellow
T-	Green
	Shield

(表C-馬達腳位表)

2-M4x0.7Px6DP,(Stroke≤1200)
6-M4x0.7Px6DP,(Stroke>1200)

B

40

40

77.7

8

40(TYP)

125

3x40=120

4-M4x0.7Px8DP

5m or 7m 馬達出線/ 3m 讀頭出線

For HIWIN drive(2m or 4m)

2xN-Ø5.5 THRU, Ø10x6DP

Ø8 H7 x 8DP

Ø8 H7 x8DP

2-Ø3 THRU, Ø8 H7x10DP

185

17

26

284

370

(N-3)x120=LC

LA

LB

33

+ Direction →

LT

LT/2

ST/2+10 (-Stopper)

ST/2+5 (-Limit)

ST/2 (½ Effective stroke)

ST/2+10 (+Stopper)

ST/2+5 (+Limit)

ST/2 (½ Effective stroke)

Limit cables (-,Home,+) (0.3m open lead)

Positioning Measurement-Digital

Function	Signal	Color	D-Sub (Male-15P)	
			optical	magnetic
Power	5V	Brown	7,8	7
	0V	White	2,9	2
Incremental signals	A+	Green	14	
	A-	Yellow	6	
	B+	Blue	13	
	B-	Red	5	
Reference mark	Z+	Violet	12	
	Z-	Grey	4	
Shield	Inner	Inner Shield	15	case
	Outer	Outer Shield	case	-

(表D-讀頭腳位表)

HIWIN CONFIDENTIAL

機密文件未經許可，嚴禁複製

PF Number : \

(表A-需求規格表)

挑選精度(V)	讀頭編碼	解析度	重現精度	絕對精度(註5)	水平直線度	垂直直線度			
	K	Digital 0.1 μm optical	± 1 μm	± 2 μm	±8 μm / 300 mm (行程: 200 ~ 1200mm)	±8 μm / 300 mm (行程: 200 ~ 1200mm)			
	G	Digital 1 μm optical	± 3 μm	± 6 μm					
	E	Digital 1 μm magnetic	± 3 μm	± 6 μm					
挑選尺寸(V)	行程	尺寸							機台重量(kg)
		LT	N	LA	LB	LC	A	B	
	200	680	7	614	100	480	613	-	23.8
	250	730	7	664	125	480	663	-	25.4
	300	780	7	714	150	480	713	-	26.9
	350	830	9	764	55	720	763	-	28.5
	400	880	9	814	80	720	813	-	30.0
	450	930	9	864	105	720	863	-	31.6
	500	980	9	914	130	720	913	-	33.2
	550	1030	9	964	155	720	963	-	34.7
	600	1080	11	1014	60	960	1013	-	36.3
	650	1130	11	1064	85	960	1063	-	37.9
	700	1180	11	1114	110	960	1113	-	39.4
	750	1230	11	1164	135	960	1163	-	41.0
	800	1280	11	1214	160	960	1213	-	42.5
	850	1330	13	1264	65	1200	1263	-	44.1
	900	1380	13	1314	90	1200	1313	-	45.7
	950	1430	13	1364	115	1200	1363	-	47.2
	1000	1480	15	1414	20	1440	1413	-	48.8
	1050	1530	15	1464	45	1440	1463	-	50.4
	1100	1580	15	1514	70	1440	1513	-	51.9
	1150	1630	15	1564	95	1440	1563	-	53.5
	1200	1680	15	1614	120	1440	1613	-	55.1
	1250	1730	15	1664	145	1440	1663	600	56.6
	1300	1780	17	1714	50	1680	1713	600	58.2
	1400	1880	17	1814	100	1680	1813	600	61.3
	1500	1980	17	1914	150	1680	1913	600	64.4

HIWIN MIKROSYSTEM CORP.

TYPE SSA-20C200-1(Stroke200~1500)

CUSTOMER \

DATE Apr.07.20

MATERIAL \

DWN 許亞馨

FINISH \

CHK 饒佑隆

PART NO \

APPD 顏祐臨

NAME

DWG NO

SHEET

APPROVAL \

A1

1-2

ROUGH % 8.0a ∇

FIT % 3.2a ∇∇

GRD 0.8a ∇∇∇

SCALES 1:X

TOLERANCE mm

UP TO 6 30 120 300 600 1200 2400 OVER 2400

± 0.1 ± 0.2 ± 0.3 ± 0.4 ± 0.5 ± 0.8 ± 1.0 ± 1.5

註：1. 規格: LMSSA-20C200-1-□□□□(行程)-□(讀頭)-□(出線).3-□(近接開關)S-S-A0.
(規格編碼原則請參閱型錄)

2. 移動部重量:5.55kg, 連續推力: 145N, 瞬間推力: 580N .

3. HIWIN 精度保證於室溫23°C±1°C下量測.

4. 出貨時鎖附在花崗岩上進行量測.

5. 若未搭配 HIWIN 驅動器，出貨報告只提供精度補償表.

6. 讀頭延長線需另外購買

7. 此圖面尺寸不適合用於霍爾編碼器

ITEM	DATE	MODIFIED	DESCRIPTION	ECN NO.	CHK	APPD

2-M4x0.7Px6DP,(Stroke≤1200)

Customer sign

BROWN

12-24V

BLACK

OUTPUT

BLUE

0V

A: NPN.NC, B: PNP.NC

(表B-近接開關腳位表)

Motor wiring diagram

Signal	Color
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U	Brown
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T+	Yellow
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	Shield

(表C-馬達腳位表)

6-M4x0.7Px6DP

B

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77.7

B

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40(TYP)

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3x40=120

4-M4x0.7Px8DP

5m or 7m 馬達出線/ 3m 讀頭出線

For HIWIN drive(2m or 4m)

2xN-Ø5.5 THRU, Ø10x6DP

Ø8 H7 x8DP

Ø8 H7 x8DP

33

33

120(TYP)

17

185

50

236

50

8-M5x0.8Px10DP

2-Ø3 THRU, Ø8 H7x10DP

(N-3)x120=LC

LA

LB

+ Direction

LT

ST/2+10 (-Stopper)

ST/2+5 (-Limit)

ST/2 (½ Effective stroke)

LT/2

ST/2+10 (+Stopper)

ST/2+5 (+Limit)

ST/2 (½ Effective stroke)

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(表D-讀頭腳位表)

HIWIN CONFIDENTIAL

機密文件未經許可，嚴禁複製

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(表A-需求規格表)

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	E	Digital 1 µm magnetic	± 3 µm	± 6 µm							
挑選尺寸(V)	行程	尺寸						機台重量(kg)			
		LT	N	LA	LB	LC	A		B		
		1600	2080	19	2014	80	1920		2013	600	70.6
		1700	2180	19	2114	130	1920		2113	840	73.7
		1800	2280	21	2214	60	2160		2213	840	76.8
		1900	2380	21	2314	110	2160		2313	840	79.9
		2000	2480	21	2414	160	2160		2413	840	83.1
		2100	2580	23	2514	90	2400		2513	840	86.2
		2200	2680	25	2614	20	2640		2613	1080	89.3
		2300	2780	25	2714	70	2640		2713	1080	92.4
2400	2880	25	2814	120	2640	2813	1080	95.6			
2500	2980	27	2914	50	2880	2913	1080	98.7			

HIWIN

MIKROSYSTEM CORP.

TYPE

SSA-20C200-1(Stroke1600~2500)

CUSTOMER

\

DATE

Apr.07.20

MATERIAL

\

DWN

許亞馨

FINISH

\

CHK

饒佑隆

PART NO

\

APPD

蔡政翰

NAME

DWG NO

SHEET

2-2

APPROVAL

\

A1

2-2

ROUGH %

8.0a

FIT %

3.2a

GRD

0.8a

SCALE

1:X

TOLERANCE mm

UP TO 6

6

30

120

300

600

1200

2400

OVER 2400

± 0.1

± 0.2

± 0.3

± 0.4

± 0.5

± 0.8

± 1.0

± 1.5