

Customer sign

BROWN

BLACK

BLUE

12~24V

OUTPUT

0V

A:NPN.NC, B:P.NP.NC
(表B-近接開關腳位表)

206

175

213

(229)

91.7

10

15.5

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

B

40

40

8

77.7

40

40(TYP)

60

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

(N-3)x120=LC

8-M5x0.8Px10DP

120(TYP)

120

17

26

154

26

240

LA

LT

33

33

LB

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)

LT/2

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	550	5	484	155	240	483	-	19.4
	250	600	7	534	60	480	533	-	20.9
	300	650	7	584	85	480	583	-	22.4
	350	700	7	634	110	480	633	-	23.9
	400	750	7	684	135	480	683	-	25.4
	450	800	7	734	160	480	733	-	26.9
	500	850	9	784	65	720	783	-	28.4
	550	900	9	834	90	720	833	-	29.9
	600	950	9	884	115	720	883	-	31.4
	650	1000	11	934	20	960	933	-	32.9
	700	1050	11	984	45	960	983	-	34.4
	750	1100	11	1034	70	960	1033	-	36.0
	800	1150	11	1084	95	960	1083	-	37.5
	850	1200	11	1134	120	960	1133	-	39.0
	900	1250	11	1184	145	960	1183	-	40.5
	950	1300	13	1234	50	1200	1233	-	42.0
	1000	1350	13	1284	75	1200	1283	-	43.5
	1050	1400	13	1334	100	1200	1333	-	45.0
	1100	1450	13	1384	125	1200	1383	-	46.5
	1150	1500	13	1434	150	1200	1433	-	48.0
	1200	1550	15	1484	55	1440	1483	-	49.5
	1250	1600	15	1534	80	1440	1533	360	51
	1300	1650	15	1584	105	1440	1583	360	52.6
	1400	1750	15	1684	155	1440	1683	600	55.6
	1500	1850	17	1784	85	1680	1783	600	58.6

HIWIN

MIKROSYSTEM CORP.

TYPE

SSA-20C100-1(Stroke200~1500)

CUSTOMER

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DATE

Apr.07.20

MATERIAL

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DWN

許亞馨

FINISH

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CHK

饒佑隆

PART NO

FM19M2034200

APPD

蔡政翰

NAME

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DWG NO

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SHEET

1-2

APPROVAL

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A1

1-2

ROUGH %

8.0a

FIT %

3.2a

GRD

0.8a

SCALE

1:X

TOLERANCE mm

UP TO

6

30

120

120

300

300

600

600

1200

1200

2400

2400

OVER

± 0.1

± 0.2

± 0.3

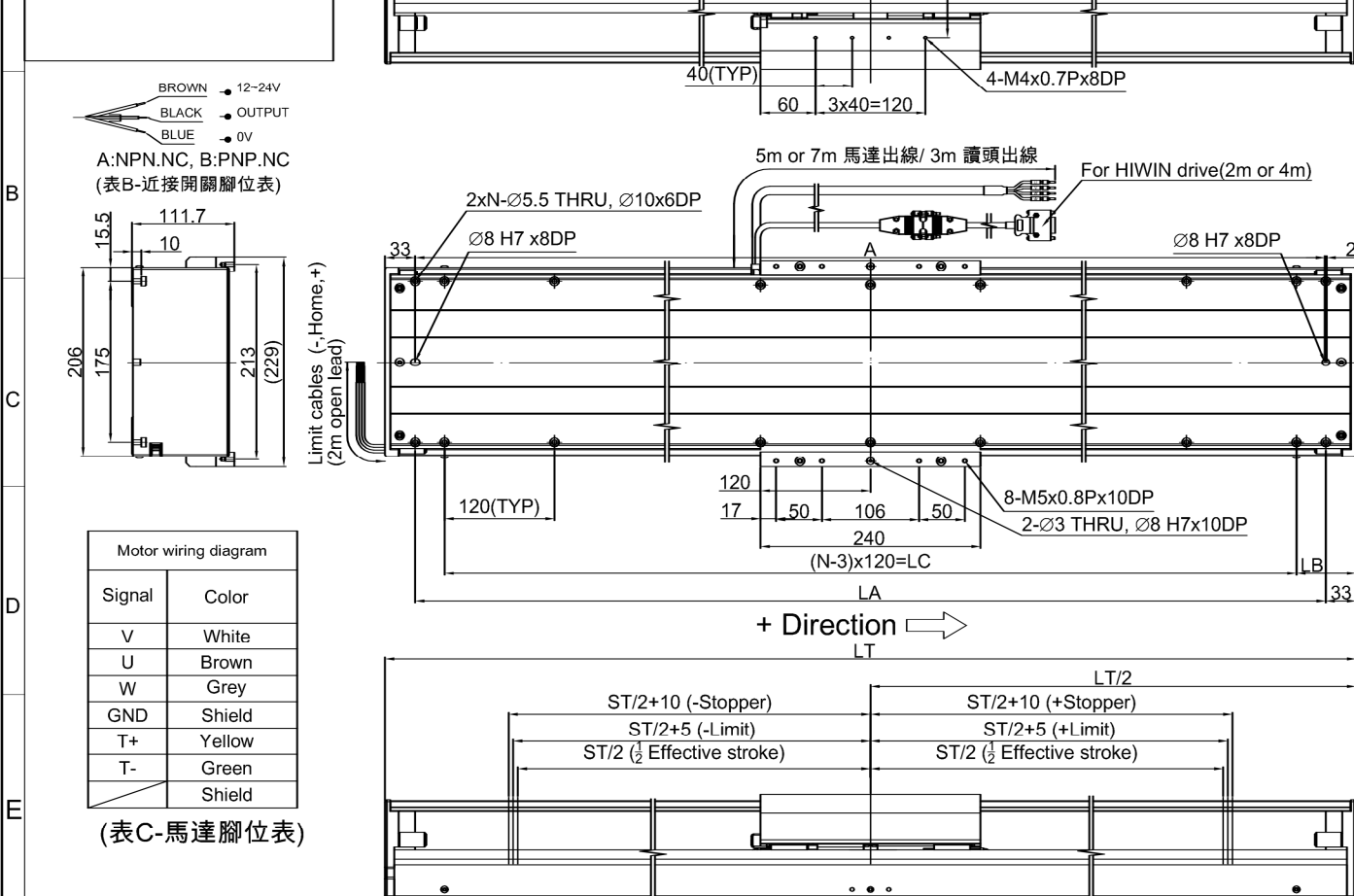
± 0.4

± 0.5

± 0.8

± 1.0

± 1.5



(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)	
	K	Digital 0.1 μm optical			± 1 μm			± 2 μm	
	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	
	1600	1950	17	1884	135	1680	1883	600	63.6
	1700	2050	19	1984	65	1920	1983	600	66.6
	1800	2150	19	2084	115	1920	2083	600	69.6
	1900	2250	21	2184	45	2160	2183	840	72.7
	2000	2350	21	2284	95	2160	2283	840	75.7
	2100	2450	21	2384	145	2160	2383	840	78.7
	2200	2550	23	2484	75	2400	2483	840	81.7
	2300	2650	23	2584	125	2400	2583	840	84.7
	2400	2750	25	2684	55	2640	2683	1080	87.8
	2500	2850	25	2784	105	2640	2783	1080	90.8
	2600	2950	25	2884	155	2640	2883	1080	93.8

註：1. 規格: LMSSA-20C100-1-□□□□(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:5.9kg, 連續推力: 91 N, 瞬間推力: 364 N .
3. HIWIN 精度保證於室溫23°C±1°C下量測.
4. 出貨時鎖附在花岗岩上進行量測.
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

Positioning Measurement-Digital				
Function	Signal	Color	D-Sub (Male-15P)	
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

MIKROSYSTEM CORP.

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

TYPE
SSA-20C100-1(Stroke1600~2600)

CUSTOMER
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MATERIAL
\

FINISH
\

PART NO
\

NAME
APPROVAL

DATE
Apr.07.20

DWN
許亞馨

CHK
饒佑隆

APPD
蔡政翰

DWG NO
A1

SHEET
2-2