Smile100

V1.0

2025/**/**

BOM

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518057

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400-666-2163

Smile100 Smile100

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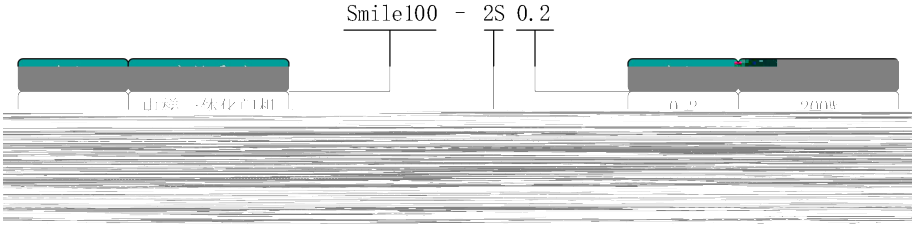
-

 危险	
 警告	
	

1.1

1.1.1

1.1.2



1.2

	kVA	A	A	W
220V 220 240V 50/60Hz				
Smile100-2S0.2	0.4	2.2	1.2	200
Smile100-2S0.4	0.8	4.5	2.3	400

1.3

200 240V ±10%

50/60Hz ±5%

0

0 99.99Hz

SVC VC

1 100 SVC 1 1000 VC

±0.5% SVC ±0.05% VC

0.5Hz 180% SVC 0Hz 180% VC

0.01Hz 0.01A

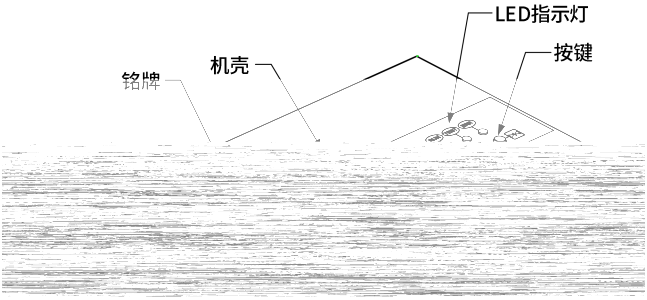
150% 1 180% 1

ABZ

0/6Ω

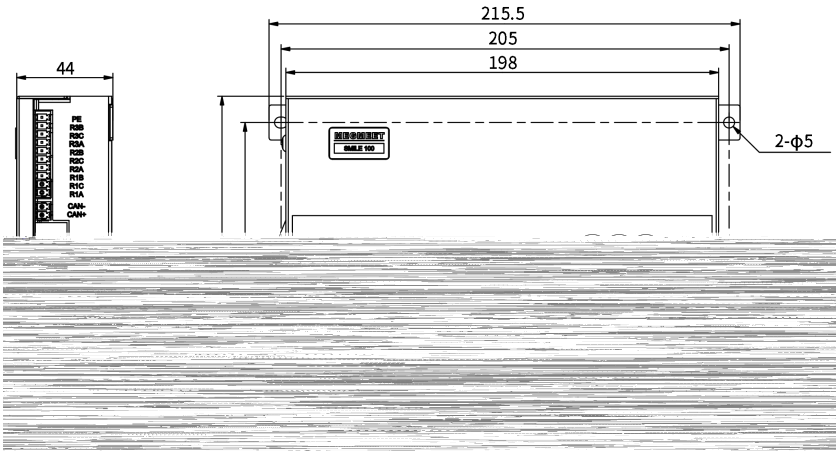
	2 9Hz 3.5m/s² 9 200Hz 10m/s² IEC60721-3-3
	IP20
	2
	LED

1.4



1-1

1.5



1-2

1.6

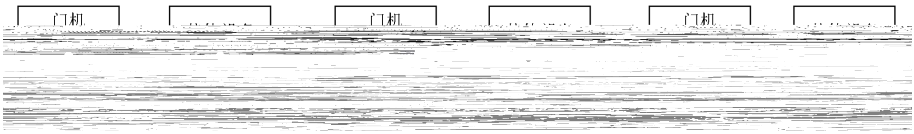
-
-
-
-
- -10 +40
- 2 9Hz 3.5m/s² 9 200Hz 10m/s² IED60721-3-3
- 95%RH
- IP20 2

✧ 40 1 2%
50

✧ -10 40

2.1

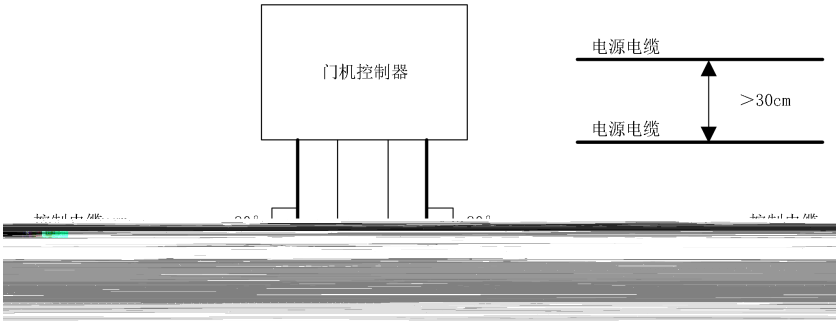
危险



2-1

2.2.2

90 ° 2-2



2-2

2.2.3

警告

- U/V/W
-
- Smile100

3*1mm²

2.2.4

3*1mm²

2.2.5

50

2.3

2.3.1

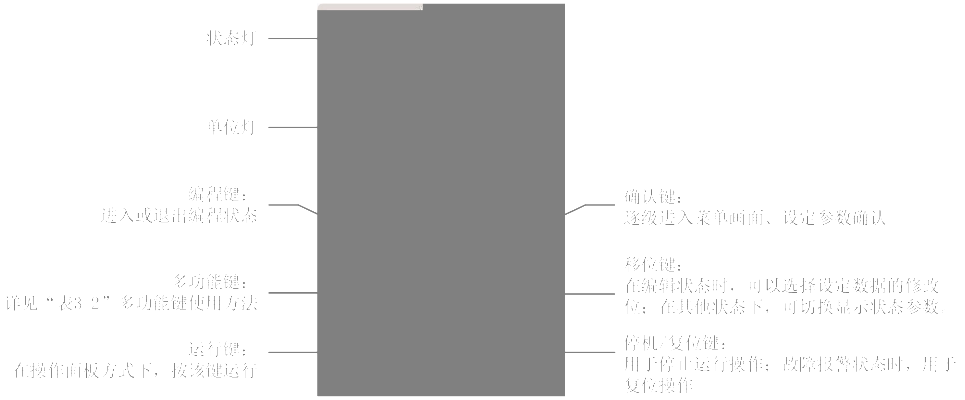
警告

		/ /	
	R1A/R1B/R1C		
	R2A/R2B/R2C		RA-RB 250VAC/5A DC30V/5A
	R3A/R3B/R3C		2.5kVAC
	RS485+	485	RJ45
	RS485-	485	
	CANH	CAN	CAN
	CANL	CAN	
		APP	APP
	COM		
	PGZ	Z	
	PGB	B	24V
	PGA	A	
	24V	24V	
	P24V	24V	24V
	COM	24V	200mA

2.3.3

			220V 380V 10A D

3.1



3-1

3-1

FWD			
REV			
ALARM			
QUICK		QUCIK BASIC	
BASIC			
Hz			
A			
V			
m/s			
r/min			

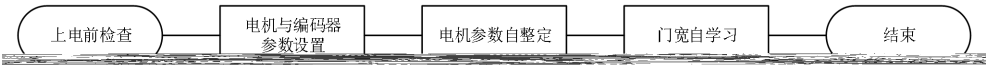
3-2

0		M
1	JOG	M JOG
2	FWD/REV	M FWD/REV
3	1	M M → M → M → M
4	2	M
5		M M 5 M 0
6		M VF
7		M

3.2

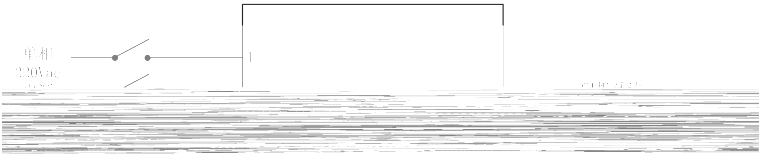
3-1

-
-
-



4-1

4.1



4-2

50m

0.3m

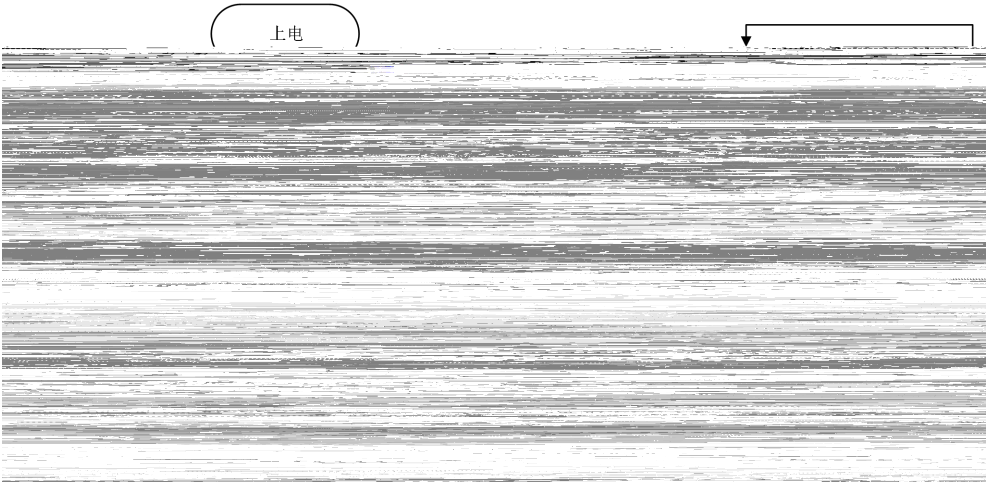
20 30mm

4.2

-
-
-

4.3

D01.00



4-3

P01.00		1 750W	
P01.01		1 300V	
P01.02		0.1 2.5A	
P01.03		1.00Hz 99.99Hz	
P01.04		1 6000rpm	
P01.05		1.00 9.99	
P01.06		0 1	P01.06=1
P02.00		0 9999	

✧

✧ Smile100 U V W

✧ Smile100

✧ STOP

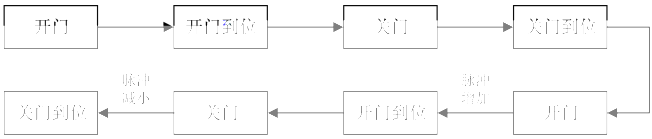
✧

4.4

1 P00.02 1 P00.03 0

2 P02.05 1 RUN P02.05 0

STOP



4-4

1

Smile100 U/V/W

2

P02.01

3 E26

P05.14

5.1

Smile100

1 STOP
2 DI 9
3

P09

5-1

E01		• • •	• • P03.05 P04.05 •
E02		• • • • •	• Smile100 • P01.00 P01.04 • • • P03.02 P04.02 P03.05 P04.05
E03		• • • • •	• Smile100 • P01.00 P01.04 • • • P03.02 P04.02 P03.05 P04.05
E04	Z	• Z	•
E06		• • • Z	• P01.00 P01.04 • •
E07		• •	• •
E08		• P06.28 =1	• •

E09		• •	• • •
E10		• 10	• • •
E11		•	•
E12		• 20	• • •
E14	EEPROM	EEPROM	
E15		• P10.16 P10.15	• P10.15 P10.16 • •
E16		• P10.18 P10.17	• P10.17 P10.18 • •
E17		• • •	• • •
E18		•	•
E22	EEPROM	• EEPROM	• •
E23		• • •	• • • P02.00
E26		• • •	• • • P02.04 P05.14
E100		• • •	• / • •

5.2

1

2

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5.2.3

6.1

“ ○ ”

“ × ”

“ * ”

6.2

0

“ RUN ” “ ” “ STOP RESET ”

1

Smile100

P00.03 =1 Smile100

OD P06.15 0			CD P06.15 1		
OD	CD		OD	CD	
0	0		0	0	
0	1		0	1	
1	0		1	0	
1	1		1	1	

2

P00.03 = 0

P08 STOP

“ RUN ” / “ ” OD/CD COM “ STOP RESET ”

3

P00.04		1.00 99.99Hz	50.00Hz	×
Smile100				
P00.05		0 1	0	×
0 1 S				
P00.06		0 3	2	×
0 1 2 3				
P01				
P01.00		1 750W	50W	×
P01.01		1 300V	220V	×
P01.02		0.10 2.5A	1.1A	×
P01.03		1.00Hz 99.99Hz	24.00Hz	×
P01.04		1 6000rpm	900rpm	×
P01.05		1.00 9.99	1.00	×
P01.05 1.00 P00.06=1				
P01.06		0 1	0	×

0

1

P00.03 0 P01.00 P01.04

P01.06 1 “ RUN ” “ STOP RESET ” P01.06

0

“4.3 ”

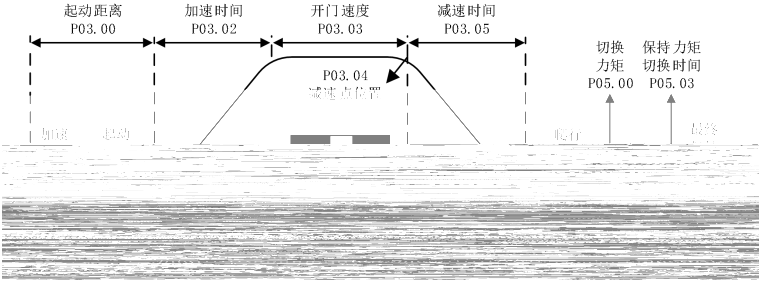
P01.07		0.01 2.50A		0.36A	×
	P00.06 0		1		
P01.08		0.0 359.9		0	×
	P00.06 2				
P01.09		0.00 99.99Ω		15.62Ω	×
P01.10		0.00 99.99Ω		37.88Ω	×
P01.11		0 9999mH		11.21mH	×
P01.12	1	0 9999mH		11.21mH	×
P01.13		0 9999mH		1018mH	×
P01.14		50.0% 200.0%		100.0%	×
P02					
P02.00		0 9999		1024	×
P02.01		0 1		0	×1Ap0 •ÕAB S

0

P02.07		0 9999	0	×
		P02.06	P02.07	
	=P02.07x10000+P02.06			
P02.08		0 9999	0	×
DI	4 14	P06.15	1	

P03

P6



P03.00		0 9999	576	○
	P03.00			
	P03.00 ms			
P03.01		0 15.00Hz	3.50Hz	○
P03.02		0.1 99.9s	1.3s	○
P03.03		0.00 P00.04	20.00Hz	○
P03.04		50.0% 90.0%	65.00%	○
	≥P03.04× P03.03 P03.06			
	P03.04			
P03.05		0.1 99.9s	2.0s	○
	P00.04			
P03.06		0 15.00Hz	3.00Hz	○
P03.07		80.0 99.9%	90.0%	○
	P03.07×			
P03.08		10.0% 90.0%	90.00%	○
	P03.08			

P03.08=70.0% 100-70=30 0 30%

30 100%

P04

P6

P04.00		0 9999	0	○
P04.00 P04.00 ms				
P04.01		0.00 15.00Hz	4.00Hz	○
P04.02		0.1 99.9s	2.0s	○
P04.03		0.00 P00.04	18.00Hz	○
P04.04		50.0% 90.0%	62.00%	○
≥ 1-P04.04 × P04.03 P04.06 P04.04				
P04.05		0.1 99.9s	2.0s	○
P04.06		0.00 15.00Hz	1.5Hz	○
P04.07		0 5000	0	○
P04.07 ≤P04.07 P04.07 ms				
P04.08		0 15.00Hz	0.00Hz	○
P04.07				
P04.09		1 500	60	○
P04.10		0.00 5.00Hz	0.00Hz	○
P04.11		0 5000	0	○
P04.11 ≤P04.11 P04.11 ms				

P05

P05.00		20.0% P07.07	50.00%	○
		P03.07 × ≥ P05.00 ×		
P05.01		30.0% P07.07	45.00%	○
		≥ P05.00 ×	P05.01 ×	
P05.02		0.0 P07.07	35.00%	○
P05.03		0.1 999.9s	30.0s	○
		P05.01 P05.03	P05.02	
P05.04		20.0% P07.07	50.00%	○
P05.05		30.0% P07.07	45.00%	○
P05.06		0.0 P07.07	35.00%	○
P05.07		0.1 999.9s	60.0s	○
P05.08		0.0% P07.07%	100.00%	○
P05.09		0 4999ms	1000ms	×
P05.10		0.0% P07.07%	100.00%	○
P05.11		0 4999ms	1000ms	×
P05.12		0.00 P00.04	5	×
P05.13		0.00 P00.04	15	×
P05.08 P05.10 P06.13				
P05.14		30.0 P07.07	70.0%	○
P05.15		0.0 P07.07	100.00%	○
P05.16		0 4999ms	1600ms	×
P05.15 P05.15 0 P05.16				

P05.17		0 9999ms	3000ms	×
	P05.17			
P05.17=9999ms				
P06				
P06.00	DOA,DCA,DPA	0 1	1	×
0				
1				
P06.01	DPA	0 19	0	×
0				
1				
P06.01=1				
2				
3				
4				
5				
6				
7 9				
10				
11				
12				
13				
14				
15				
16				
	6/16			
P10.00		P10.01		
		P10.00		
			P10.01	
P06.02		2 300ms	10ms	×
DI	DI		P06.02	
P06.03	DI1	0 30	7	×
P06.04	DI2		8	×
P06.05	DI3		11	×
P06.06	DI4		12	×
P06.07	DI5		13	×
P06.08	DI6		14	×

P06.09	DI7		0	×
P06.10	DI8		0	×
DI 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 20 21 22 21 22				
P06.11		0 4999ms	0	×
P06.11 P00.02=1 P00.06=0 P00.06=3 P06.08 1000ms P05				
P06.12		0.1 99.9%	90.00%	○
P06.12 PA P06.01=0				
P06.13		0.1 2.0s	0.5s	○
P06.14		0 2	2	○
0 1 2				

P06.15	1	00000 11111	0	○
0 1 0 1 0 1 0 1 2s 1/3 0 1				
P06.16	2	00000 11111	1	○
0 1 0 1 0 Kp 1 Kp 4 0 1 0 1 20 E0012 12 20				
P06.18		4 16kHz	8kHz	×
P06.19		2.50 15.00Hz	4.00Hz	○
P06.20		0 30s	0	○
≤2 2s				
P06.21		0 30%	10%	×

P06.22		0.01 5.00Hz	1.00Hz	○
P06.23		0.01 5.00Hz	1.00Hz	○
P06.24		100 3999ms	2500ms	×
P06.25		0.10 15.00Hz	7.00Hz	○
P06.26		0 8%	0%	×
	P06.21 P06.21 + P06.26			
P06.27		10.00 50.00Hz	50.00Hz	×
P06.28	3	00000 11111	100	○

0

1

1 2.5s

CAN

0 CAN

1 CAN

0

1

0

1

0

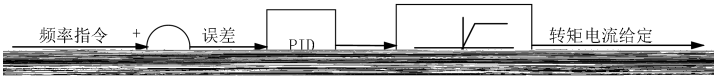
1

10

E10 E10 20

P07				
P07.00	Kp	10 3000	200	○
P07.01	KI	0 1000	20	○
P07.02	Kp	10 3000	200	○
P07.03	KI	0 1000	20	○
P07.04		0.00 P00.04	8.00Hz	○

P07.00 P07.04 ASR PID



P07.00 P07.02 KP KP
P07.01 P07.03 KI KI
KI 0
KP KP KI
KP KI

P07.05	kp	10 9999	100	○
P07.06	KI	0 9999	100	○

P07.05 P07.06 PI
KP KI KP KI
KP KI KP KI
PI

P07.07		0.0 200.0%	120.00%	○

Smile100 P01.02

P07.08		0 7	2	×

ASR
P07.08=0

P08				
P08.00		1.0s 999.9s	2.0s	○
P08.01		1.0s 999.9s	2.0s	○
P08.02		0 65535	0	○
P08.03		0 65535	0	○

P08.02 P08.02 1.
“ RUN ” /
/ / /
P08.00 P08.01
“ STOP RESET ” P08.03 P08.02 P08.03

P09				
P09.00	1	0 26	nan	*
P09.01	2	0 26	nan	*
P09.02	3	0 26	nan	*
P09.03	4	0 26	nan	*
P09.04	5	0 26	nan	*

0
1 E01
2 E02
3 E03
4 Z E04
5

6 E06
7 E07
8 E08
9 E09
10 E10
11 E11
12 E12
13
14 EEPROM E14
15 E15
16 E16
17 E17
18 E18
19 21
22 EEFOROM E22
23 E23
24
25
26 E26
100

P09.05		0 999V	nanV	*
P09.06		0.00 99.99A	nanA	*
P09.07		0.00 99.99Hz	nanHz	*
P09.08		0.00 99.99Hz	nanHz	*
P09.09		0 65535	nan	*
P09.10	1	0 11111	nan	*
P09.11	2	0 111	nan	*
P09.12		0 111	nan	*
P09.13		0 9999	nan	*
P09.14		0 9999	nan	*
P09.15		0 23h	nanh	*
P09.16		0 9999	nan	*
P09.17		0.00 99.99	nan	*
P09.18		0.00 99.99	nan	*
P10				
P10.00		0 9999ms	0	×
P10.01		0 9999ms	0	×

P06.01 6 16
P10.00 P10.01
P10.00

		P10.01		
P10.02		0.1 5.0s	0.7s	○
P10.03		0.1 5.0s	0.7s	○
P10.04		0 9999	0	×
1 P02.05 2 2 D D01.00				
P10.05		0 1	0	×
0 P03.04/P04.04 1				
P10.06		0 1	0	×
0 1 P10.06 1 P10.02 P10.03				
P10.07		0 1	0	×
0 1 1 1.1				
P10.08		0 1	0	×
0 1 1 1.1				
P10.09		0 1	1	×
0 1				
P10.10		0 2	0	×
0 1 P10.11 P10.13 2 P10.11 P10.13 P10.11 P10.13 P10.10 2 1				
P10.11	U	1700 2200	1950	○
P10.12	V	1700 2200	1950	○
P10.13	W	1700 2200	1950	○
P10.14		0.01 0.50A	0.05A	×
P10.15		5 50%	20.00%	×
P10.16		0.0 2.0s	0.0s	×
P10.17		105 120%	110%	×
P10.18		0.0 2.0s	0.5s	×
P10.20	Z	0 1	0	×

0 Z 1 Z				
P10.21		0 1	0	×
0 1				
P10.22	3	0 11111	0	○
0 1 1 0 1 1 200V 0 1 0 M 1 T				
P10.23	4	0 11110	0	○
UP DN 0 UP DN 5S 1 UP DN 5S 0 0 1 1 2 2 RT 0 1 0 1				
P10.24		30 150%	0%	*
P10.25		0 7	0	*
P10.26		0 65535	0	*
Bit0 Bit1 Bit2				

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ISO9001 2008

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SHENZHEN MEGMEET DRIVE TECHNOLOGY CO., LTD.

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