GUIDE

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1 1
2 3
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5 12
6 13
7 15
8 18
9 19
10 21

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GDBU

GDB

GDBU-4045B GDBU-4220B		BRAKING
GDBU-6300A		POWER
		MASTER BRAKING
		SLAVE BRAKING
		FAULT FAULT FAULT

3

3.1

1 -15 ° C +40 ° C

2

3

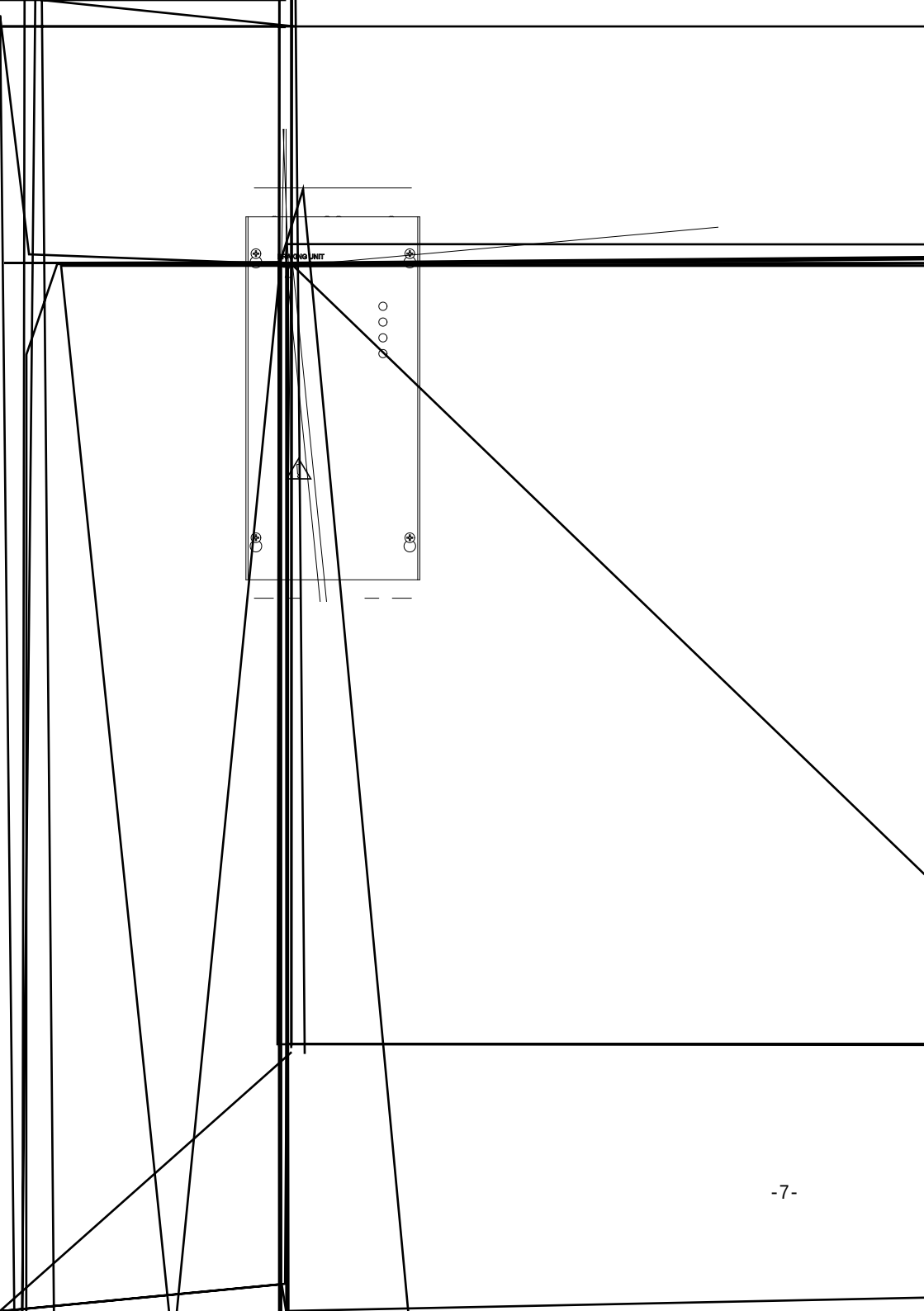
4

5 95%RH

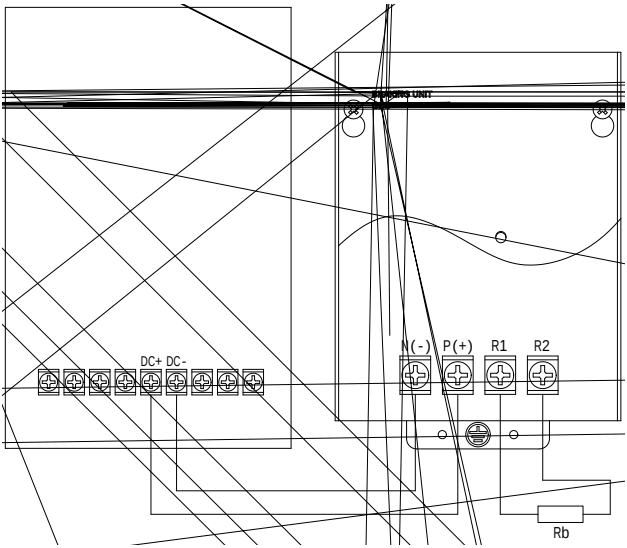
6

3.2

○



3.3

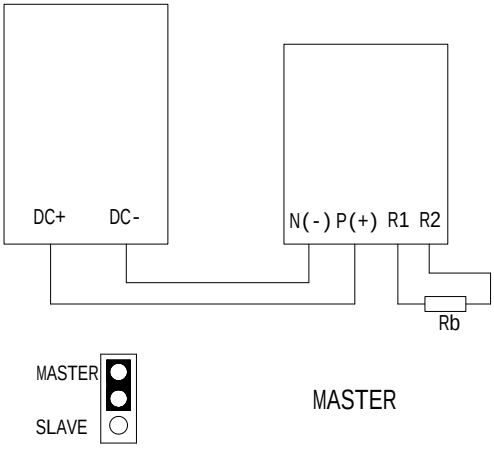


4

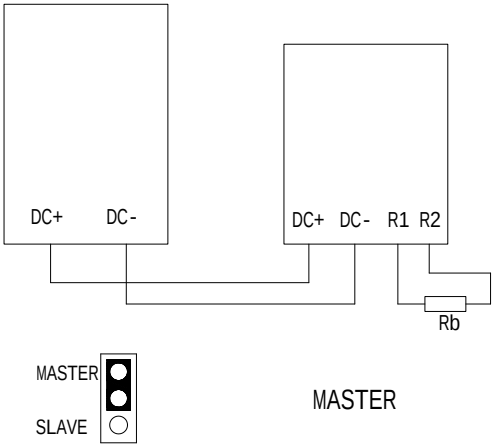
/ KING

	MASTER	MASTER	MASTER
	SLAVE	SLAVE	
	IN+/IN-		
	OUT+/OUT-		
	COM/NC/NO	GDBU-4045B/4220B	GDBU-4045B NC
		GDBU-6300A	

5

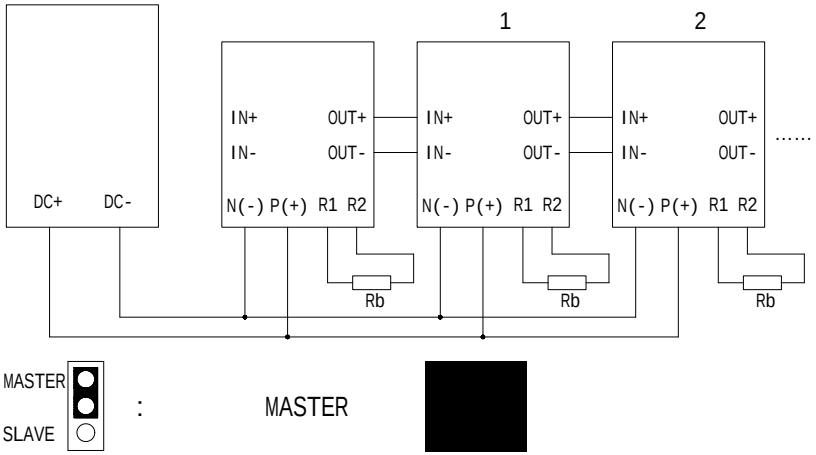


GDBU-4045B



GDBU-4220B/6300A

6



MASTER
SLAVE
: MASTER

6.1

“

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6.2 3

/ 1

2 3

1 OUT+ OUT- 2

IN+ IN-

2 OUT+ OUT- 3

IN+ IN-

OUT+ OUT- IN+ IN-

7

7.1

GDBU-4045B GDBU-4220B

		GDBU-4045B/GDBU-4220B
380V	340-390V	630V
400V	390-410V	660V
415V	410-430V	690V
440V	430-450V	730V
460V	450-470V	760V

GDBU-6300A

		GDBU-6300A	
660V	590-675V	1030V	1060V
690V	676-705V	1070V	1100V
720V	706-759V	1120V	1150V

7.2

P

K 0.7

Q

S 1.4

Kc

Kc

Kc=5% ~ 20%

Kc=10% ~ 15%

Kc=10% ~ 20%

100m Kc=20% ~ 40%

Kc=40% ~ 80%

Kc=5%

Kc=10%

=1000 × P × K

Q=P × K × Kc × S=P × 0.7 × Kc × 1.4

Q=P × Kc

= ×

Kc

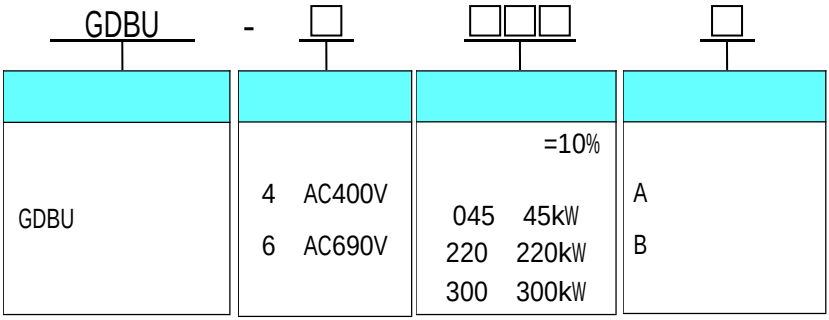
8

1		IGBT
2	OU	
3		
4	(COM/NC/NO)	GDBU-4045B/4220B 80 ° C
		GDBU-6300A (1) 85 (2)IGBT (3)

DC- DC+ DC- DC+

9

9.1



9.2 690V

(kW)			(150%)	
		( )	(Ω)	
132	GDBU-6300A	1	3.0	90kW
160		1	3.0	90kW
200		1	3.0	90kW
250		2	3.0	90kW
280		2	3.0	90kW
315		2	3.0	90kW
355		2	3.0	90kW
400		2	3.0	90kW
450		3	3.0	90kW
500		3	3.0	90kW
560		3	3.0	90kW

9.3 400V

(kW)		( )	(150%)		
			(Ω)		( )
37	GDBU-4045B	1	12.7	20kW	1
45		1	12.7	30kW	1
55		2	12.7	15kW	2
75		2	12.7	20kW	2
90		2	12.7	25kW	2
110		3	12.7	20kW	3
132	GDBU-4220B	1	3.2	70kW	1
160		1	3.2	80kW	1
185		1	3.2	100kW	1
220	GDBU-4045B	1	12.7	20kW	1
	GDBU-4220B	1	3.2	90kW	1
250	GDBU-4045B	1	12.7	20kW	1
	GDBU-4220B	1	3.2	100kW	1
315	GDBU-4220B	2	3.2	80kW	2
355		2	3.2	90kW	2
400		3	3.2	80kW	3

1.

2. 220kW 250kW 4045B 4220B

10

10.1

10.2

1

2

3

10.3

1

2

3

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