



赫兹电力

2005 516

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:

1	1
1	1
4	4
5	5
7	7
15	15
17	17
17	17
18	18
20	20
24	24
25	25
26	26
30	30
31	31
32	32

“

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赫兹电力





赫兹电力





赫兹电力





[2002]777

94

DL5009.2-2004

2

GB2891-1995

GB2892-1995

GA124-1996

DL/T846.6-2004

“ ”

94

DL5009.2-2004

2

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25 50mm





赫兹电力

1

2

3

4





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2.1.3.2. **Q19** 0

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5. **What is the purpose of the study?**

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25mm²

1mm



110kV

65

2

-30 45

18%

30 100

“ ”



赫兹电力

SF₆

SF₆

SF₆

15

SF₆

SF₆

5 80%

-15 35



HERTZ



VEP! 赫兹



赫兹电力





19.

20.

21. DL5009.3-1997

22. DL5009.2-2004

2

23. DL/T846.6-2004

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1

2

4

5

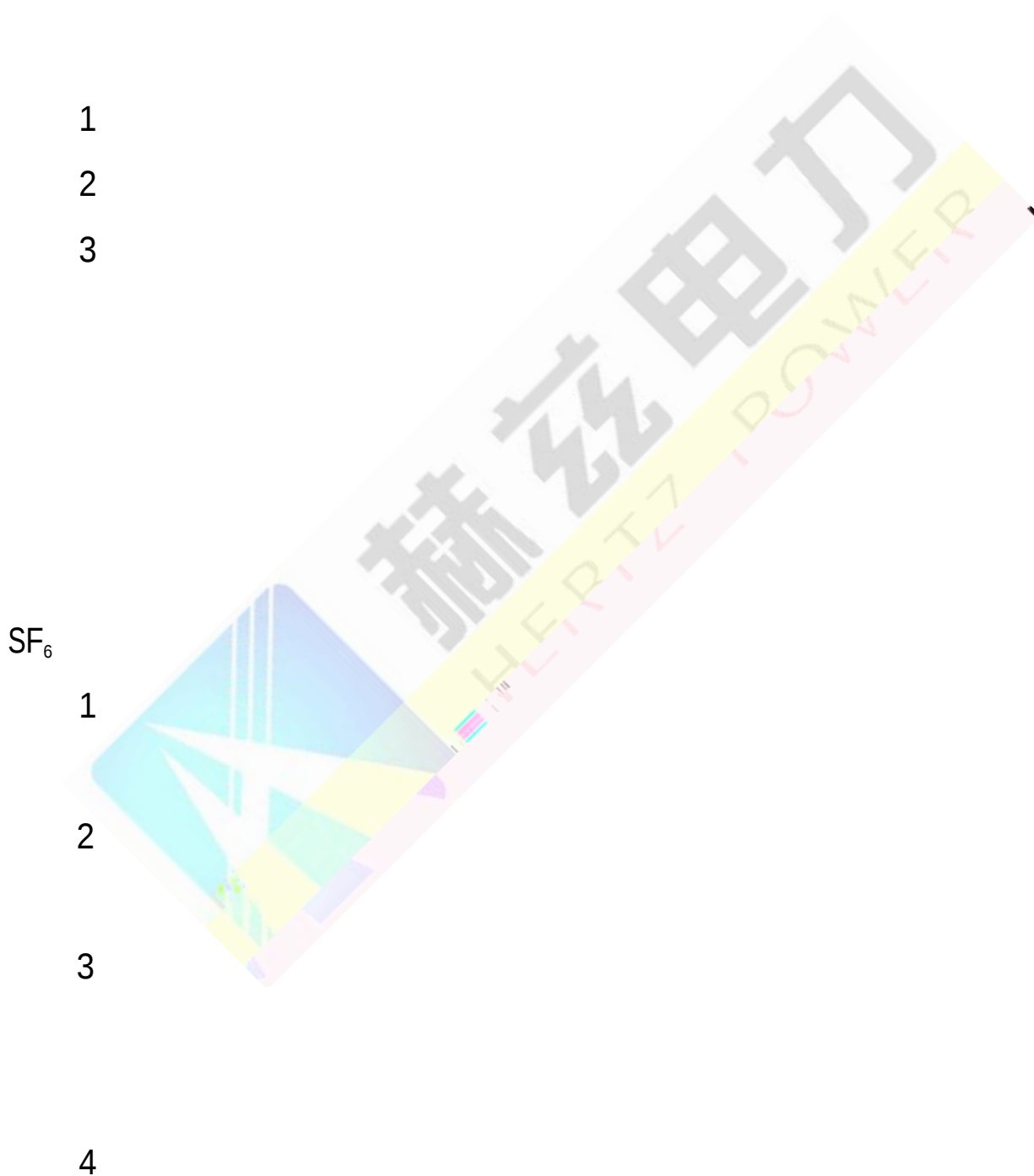
6

“

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赫兹电力





5

6

7

8

330 500kV

220 500kV

9

10

11

12

13 SF₆

SF₆

1 “ ”

GB699-88 GB3077-88

2 “ ” “ ”

2mm 6mm

3 “ ”

5mm

8mm “ ”

10mm

4

5

6

7



kV	m	
10	0.7	0.4
35	0.9	0.6
66	1.0	0.7
110	1.3	1.0
220	2.1	1.8
330	3.1	2.8
500	4.0	3.7



1		A	1	15% 40%						
		B	1	(kV)	(m)	(kV)				
						1min	5min			
				10	0.7	45	—			
				35	0.9	95	—			
				66	1.0	175	—			
				110	1.3	220	—			
				220	2.1	440	—			
				330	3.2	—	380			
		500	4.1	—	580					
2		A	5	25 35 50 70 95 120mm ² 0.79 0.56 0.40 0.28 0.21 0.16mΩ						2



				(kV)	
				(m)	1min 5min
2	B	4	10	—	45 —
			35	—	95 —
			66	—	175 —
			110	—	220 —
			220	—	440 —
			330	—	— 380
			500	—	— 580

3	5	10	16	25mm ²	1.98	1.24	0.79mΩ
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				(kV)	
				(m)	1min 5min
4	1	10	0.7	45	—
		35	0.9	95	—
		66	1.0	175	—
		110	1.3	220	—
		220	2.1	440	—
		330	3.2	—	380

A		(kV)	(kV)	(min)	100Ω m
		10	8	5	
		35	28	5	
B	1	(kV)	(m)	(kV)	(min)
		10	0.7	45	1
		35	0.9	95	1
C		(kV)	(kV)	(min)	(mA)
		10	10	1	≤ 2
		35	35		

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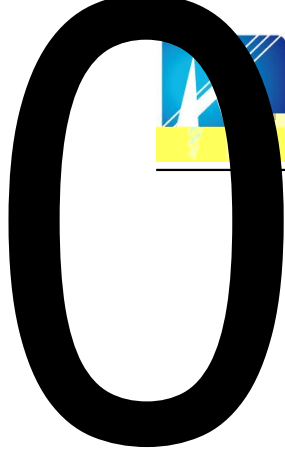


7		B	1	(kV)	(kV)	(min)		
				6~10	30	1		
				35	80	1		
8			1		(kV)	(min)		
					15	1		
					3.5	1		
9				(kV)	(min)	(mA)		
				15	1	≤ 7.5		
10					(kV)	(min)	(mA)	
					8	1	≤ 9	
					2.5	1	≤ 2.5	
11			200h	100kΩ				

					N	min
					2205	5
					2205	5
					1470	5
					2205	5
1			1			
				4900N		
2						≤ 2.5
						≤3.5
3			1	1176N	5min	
4				2205N	5min	
5				1765N	5min	

6				4900N 5min	
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	500kV			220kV			110kV			35kV		
	500	220	110	220	110	35	110	35	10	35	10	
	kV	kV	kV	kV	kV	kV	kV	kV	kV	kV	kV	
1	2	2			3			3			2	
2	2	2			3			3			2	
3	2	2	2	2		2	2	2			2	
4	2		2	2		2	2	2			2	
5	6	8	6	6	8	6	8		6	6		4
6	2											
7		2		2	2			2			2	
8		10			10			8			6	
9	4			4			3			2		
10		4			4			3			2	



16		20	15	15	10
17		20	15	15	10
18		15	10	10	10
19		20	15	15	10
20		20	15	15	10
21		10 2.4x0.8m	8 2.4x0.8m	6 2.4x0.8m	4 2.4x0.8m



	()				
1		4	4	2	2
2		4	4	2	2
3		4	4		
4		220kV 110kV 2 10kV 1	220kV 110kV 2 10kV 1	10kV 220V	10kV 220V
5		220kV 110kV 8 35kV6	220kV 110kV 8 35kV6		
6		1 2	1 2	1	1
7					
8					
9		4	4	3	2
10					
11		4	4		
12					
13		10	10	5	5
14		10	10	5	5



15		10	10	5	5
16			6 2.4x0.8m	2 2.4x0.8m	2 2.4x0.8m

