

2020 24



2018 18

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Robocup

PLC

TI

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3. Robocup

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6.

7.IBM

8.ACM

9. -

10. / -

					QQ
1		703 705		13977172736	2927383
2		702		15977727946	562625243
3		703 705		13977172736	2927383
4		707/807		13517876538	651359139
5		803 805		18220542392	1032460660
6	PLC	704		13687718551	418603239
7		110		13878196751	284757911
8		110		13878196751 13607817126	284757911 365090469
9		804		13517881173	22119225
10		700			
11	/	808/802			
12		800		13377181670	37684030
13		808			

7

		706			704 PLC	704			701A	702	702		
	708	707		705	703-705	703			701			700	

8

		808		806		804	804	802		
	807	805	803-805	803	801	800				

1

110	108
107	105

802/808

1 808

808

2 808

3 808

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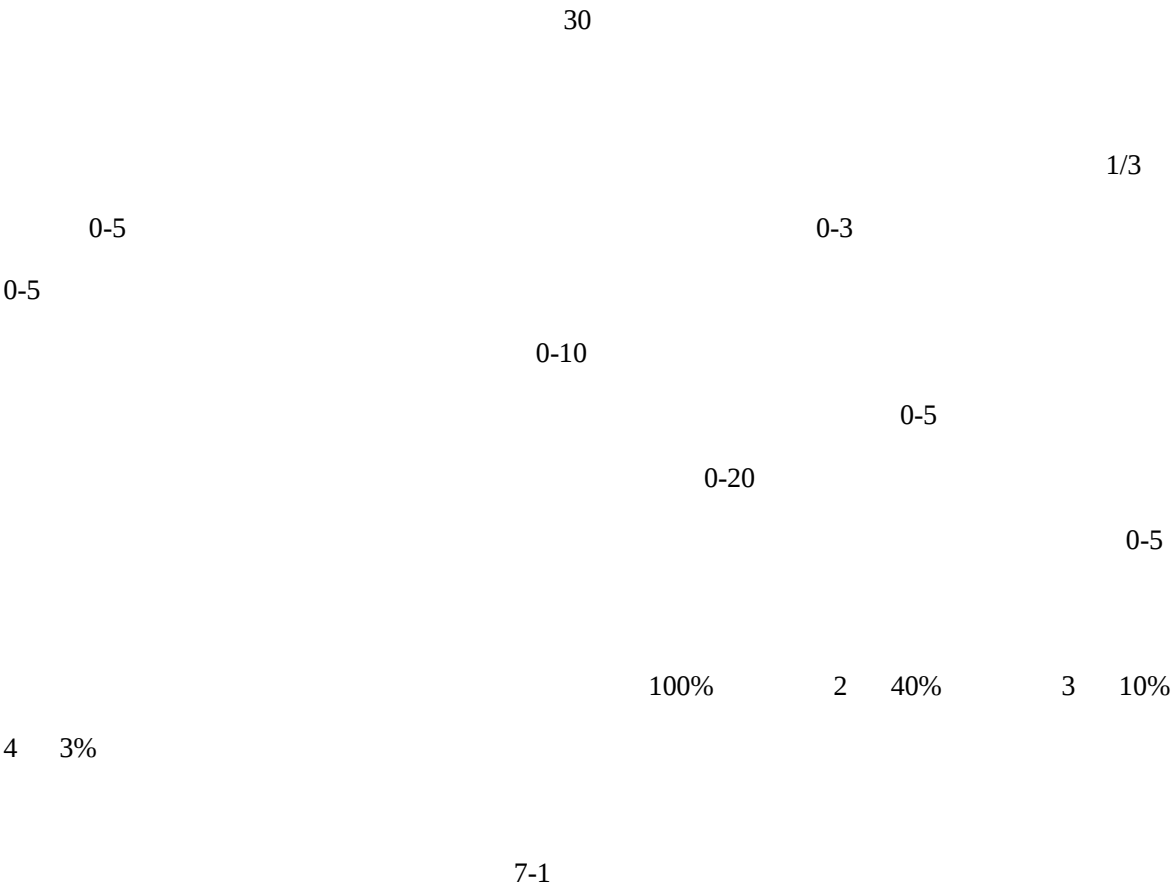
- 1
- 2
- 3
- 4
- 5

7

PLC

10

			10-80		60-80		40-60
	20-40		10-20				
					1		
	2						
			A+		100		80
50	30		80	40	20		10
15	10	5	2				
A		0.7	B		0.4	C	
	0.2	D		0.1			
							5-100
			60 /		20 /		15 /
			SCI		200 /		SCI
100 /	SCI	50 /	EI	100 /	EI	50 /	
	EI	40 /		CSCD	35 /		30 /
	EI	20 /		10 /	5 /		3 /



[20

[20] 20

- 1.
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- 9.
- 10.

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40%

50%

8-1

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220V

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3235731

QQ

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		100	10	
		50	3	
		50	0	
		30%	-3	
			10	
			3-7	
			3-8	
			-20-0	
			10	
			5-8	
			0-1	
			-10-0	
	/		10	
			5	
			0-2	
			10	
			1-5	
			-10-0	
			10	
			5-8	
			0-3	
			10	
			5-8	
			-20-0	
			10	
			5-8	
			0-3	

			10	
		3	0-5	
		3	-5	
			10	
		3	0-5	
		3	-3	
			10	
			3-7	
			-5	
			10	
		50%-80%	3-7	
		50%	-5-0	
			10	
			2-6	
			-10-0	
			10	
			-10-0	