

تعليمات مهمة

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Low voltage

▪ 1000-50

▪ 33 -1000

Low Voltage equipment

50

600

1000

▪

high voltage equip ment

▪ 1000

Authorized person :

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21



Equipment:

()

Warning sign :

25×15

()

(Danger)

Danger Sign

25×15

(Danger) ()

Alive

()

()

Dead

()

()

Earthing

² 70

Electrode

Earthing Bond

Clamps

² 70

()

Permit- to – work

Clearance Certificate

Cancellation Certificate

▪
Sanction for test

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▪
▪
()
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▪
Approved ()
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▪
Condition

Performance

Procedure

▪
Secured

Operation
▪

-4

1-4

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()

2-4

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Circuit breaker

(Remote Control)

3-4

(1

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4-4

5-4



(Danger)

()

"Danger"

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6-4



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Switches

Isolators

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7-4



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Sanction for test

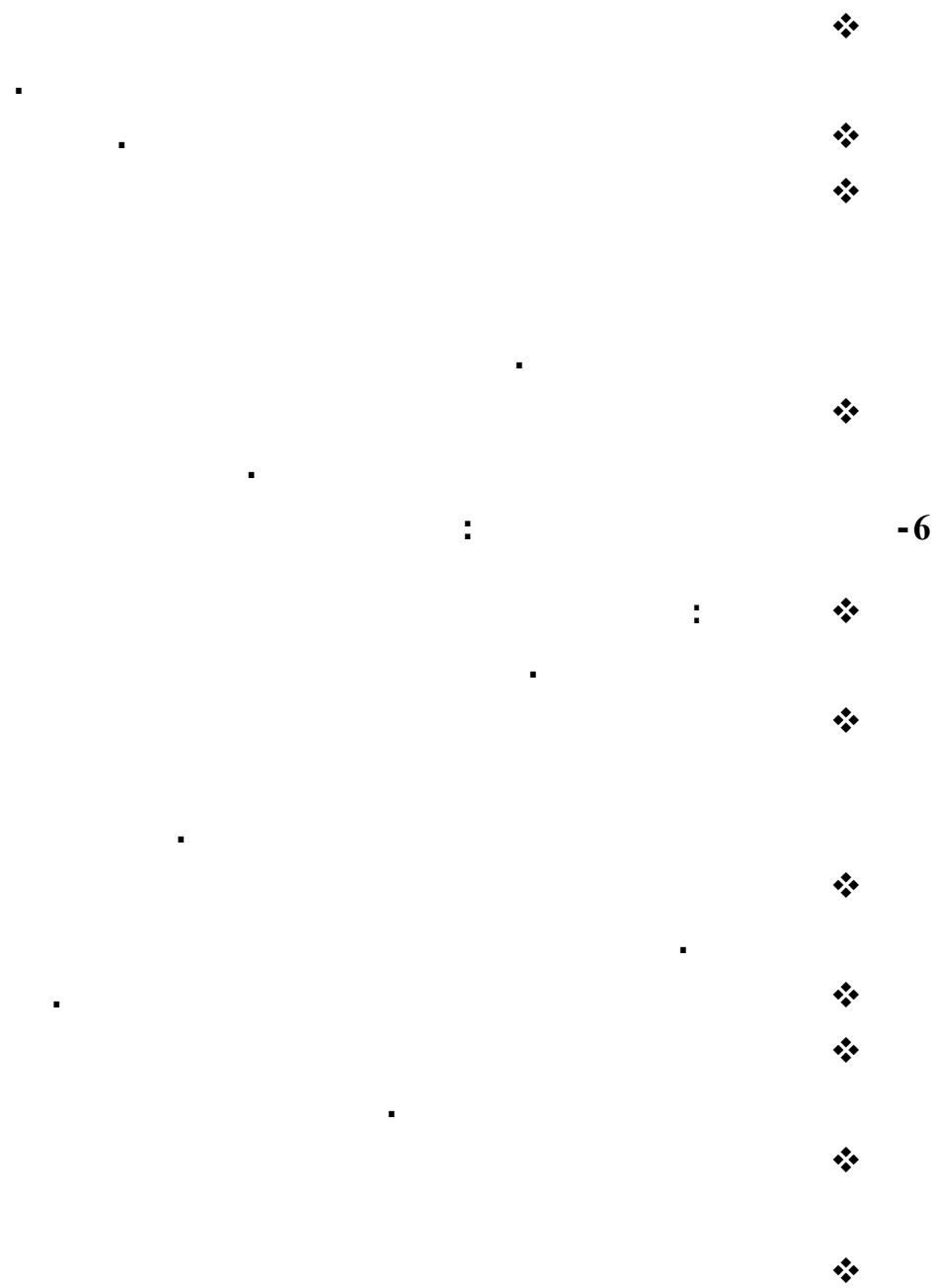
switching

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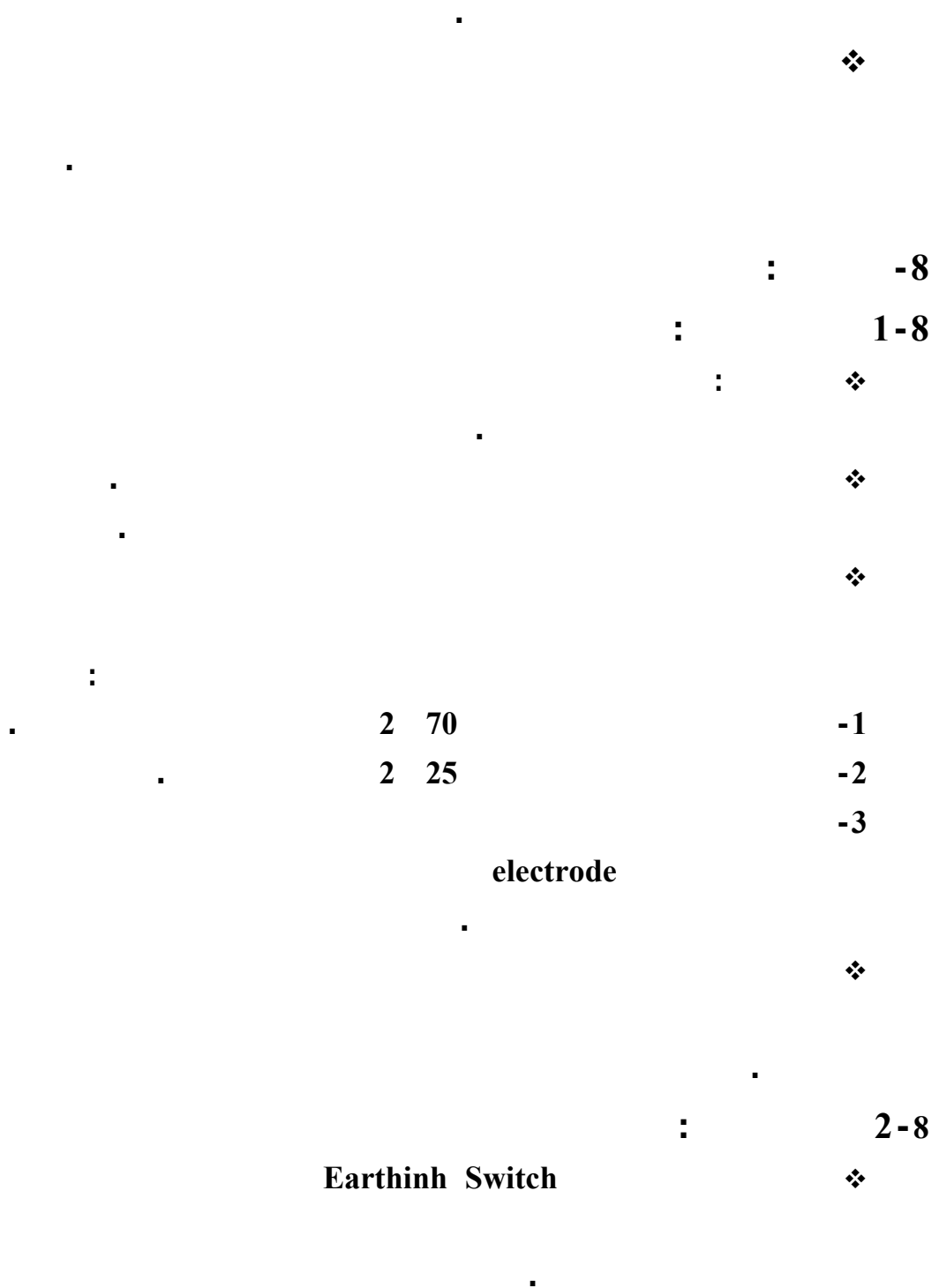
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		Switching Operations	-7
breaker	Switch	Isolator	❖

			❖
		Switching Operations	❖
			❖
			❖
			❖
		switching operation	❖
			❖
			❖
			❖
			❖
		switching operating	❖
		sanction for test	
switches	Isolator		
Earthing Switches		Circuit Breaker	

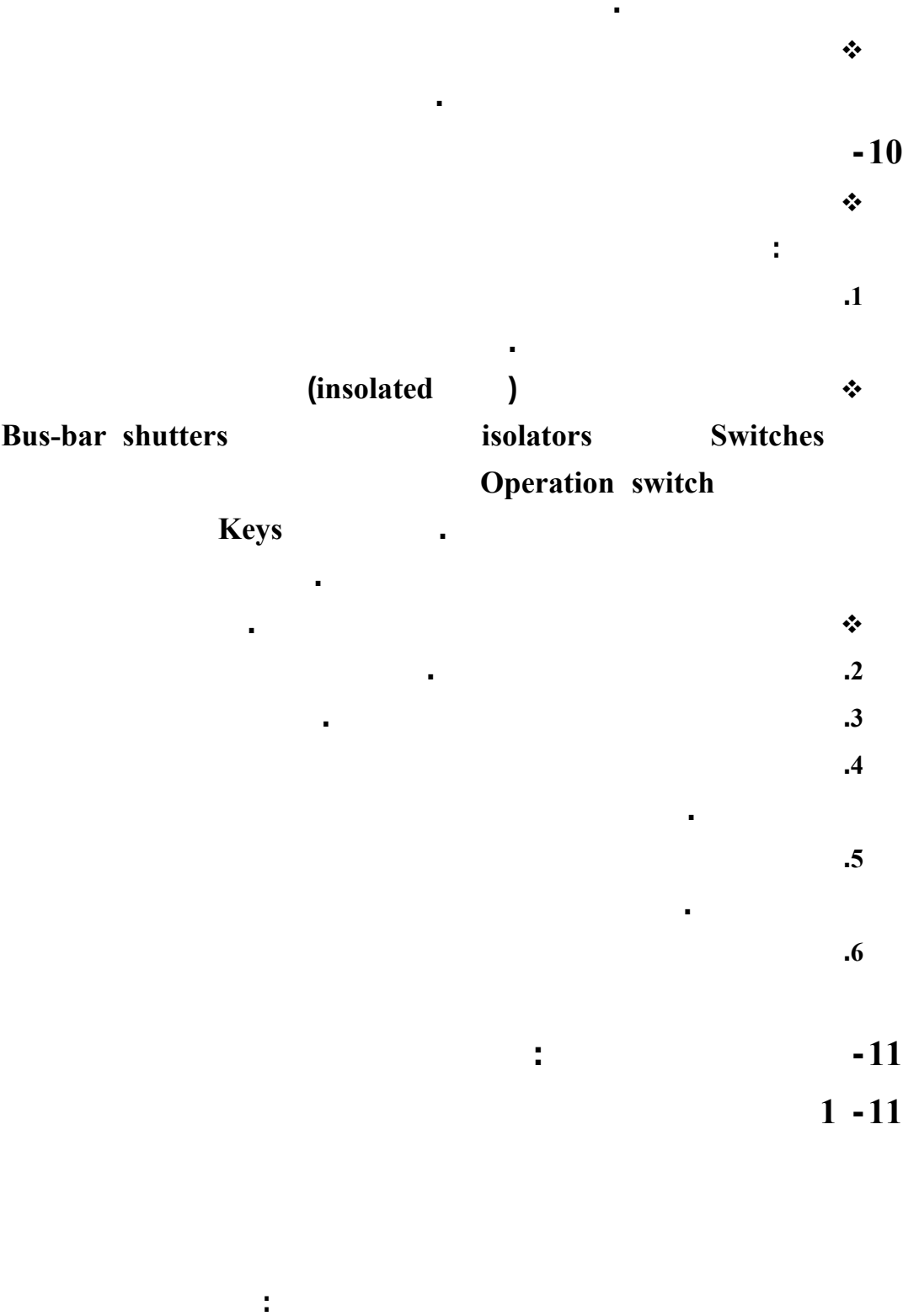


•	❖
•	❖
•	
•	2-2-8
•	❖
•	❖
•	❖
•	
•	3-8
•	❖
•	1. Earthing Switches
•	2. Earthing Link
2 25	3.
•	
•	4.
•	2-3-8
•	❖
•	1. Earthing Switches
•	2.
•	3.
2 70	4. Earthing Leads ()
•	
Accessories	❖
• (Conductors)	Clamps ()
() :	4-8
•	

	voltage indicator	.1
		.2
:		.3
Earthing Stich	Earthing Switch	
	(electrode)	.4
		.5
		.6
Tripping	circuit or device	
	Tripping	.7
	()	
	earthing leads	.8
		.9
Earthing metal – clad switchgear		5-8
		❖
Contact Spouts		❖
: isolated		❖
.()		-1
		-2

		Recording	6-8
			❖
			❖
		(Discharge)	-9
			❖
Isolator	Switch	Discharge	❖
		:	
			.1
			.2
	Voltage indicator		.3
			❖
		:	❖
		Switches	.1
		Breakers	.2
			.3
	Discharging or earthing stick :		
	Static		❖
	dead and isolated	induced	
Direct-voltage			❖
	(Large capacitance)		

Alter-noting voltage



	.1
	.
Secured Isolation	.2
Auxiliary transformers	.
	.3
	.
	.4
	.5
	.
	.6
Spout isolators Locking	.7
Safety devices Safety handles shutters	
	.
Dead Double Circuit	2 - 11
	Overhead Lines
.()	❖
	❖
	.
Switching	❖
.	Locking isolation operation
.	❖
.	❖
Dead Double Circuit Overhead Lines	3 - 11
With One Circuit Alive	
1 - 11	❖
	. 2 - 11

■

.4

4-11

□
□

	.
60	6.6
65	11 6.6
70	33 11
80	66 33

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	.	
260	6.6	
270	11	6.6
280	33	11
300	66	33

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Clearance

.11

Table

.6

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- 12

1 - 12

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Jointas

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Faults

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2 - 12

) Senior Authorized person (❖

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Spiking Stick

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Joints Box

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(

) Insulated Metallic Sheaths

Insulated Voltages

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-13

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90 60

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-14

1 - 14

		❖
		❖
	Instruction of the Manufacturer	
		❖
		❖
	(2)	
	Isolation	❖
Locking of	()	
	Busbar Shutters	
Cubicle		❖
		2 - 14
		❖
	:	
		(1
		(2
	()	(3
		(4

•	(5
•	(6
•	(7
•	(8

Cable, and Single	Panel Busbar Spouts
•	:
•	(1
•	(2
• Voltage indictor	(3
• Discharge stik	(4
•	(5
•	(6
•	(7
•	(8
•	(9

Induced Voltage	(10
Remotely or automatically controlled Equipment (	-15
Isolators	❖
Transformer tapchangers	
Remote Control Devices	
	❖
	❖
	❖
	❖
Isolation of transformers	-16
Low Voltage Side	❖
	❖

Potential Transformers ❖
Low Voltage Fuses

▪
Neutral Points ❖
Solidly Connect- to independents earthing

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-17

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.retracted
Locking

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(2)



.(3)



(3)

(10)

(8) (6)

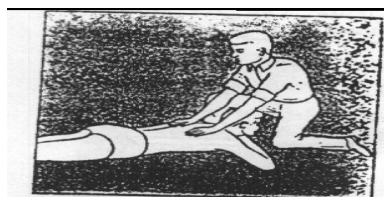


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(4)

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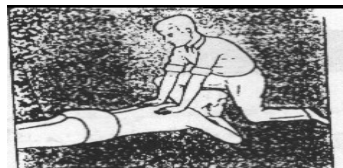


.(4)



(5) (4) ▪

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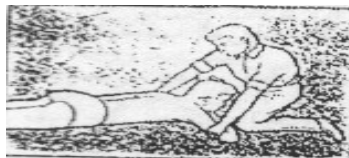


(5)



▪ (7) (6) ▪

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