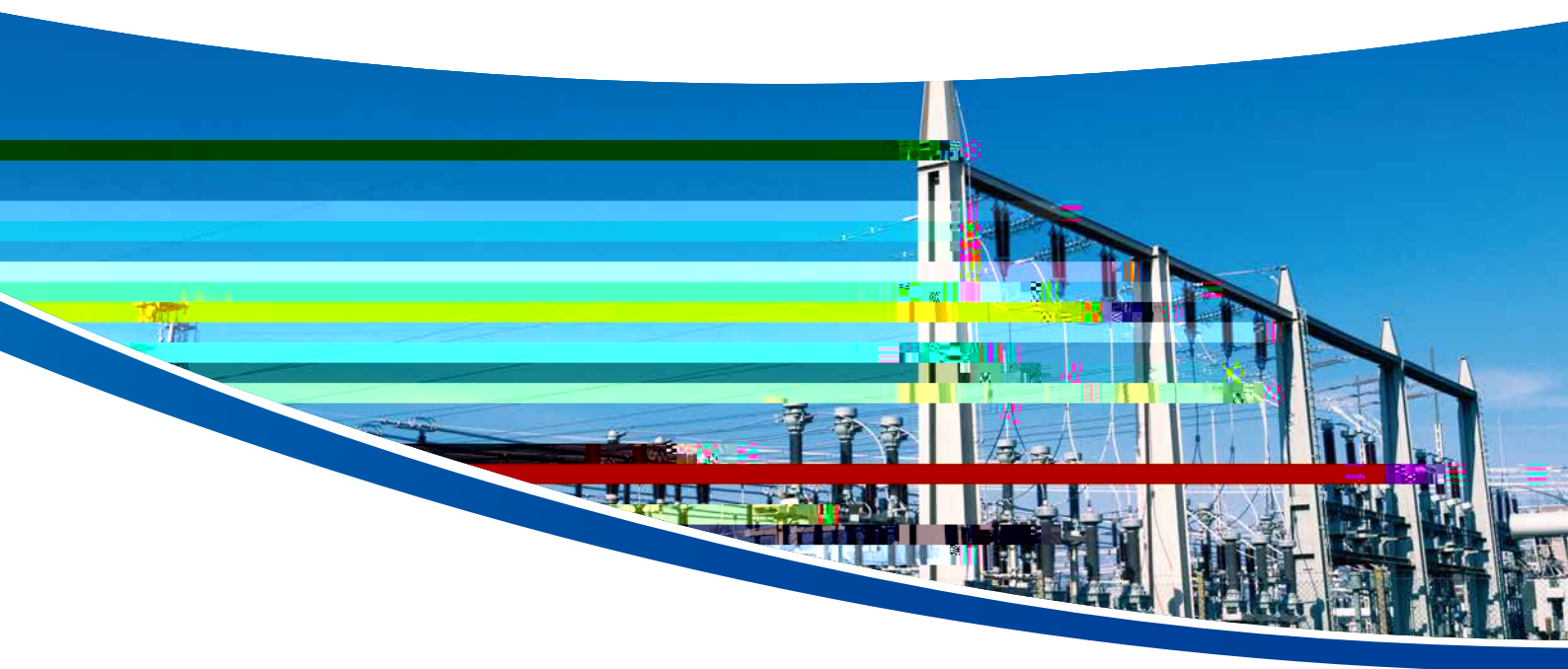




配电网单相接地故障一体化 解决方案

Single-Phase Earth Fault Integrated Solution

广州智光电气技术有限公司

Guangzhou Zhiguang Electric Technology Co., Ltd.

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Arc suppression coil + "active" line selection scheme

1.2 +
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KD-XH Type Phase-controlled Arc Suppression Coil and Line Selection System

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2.3 ZGNGR
ZGNGR Neutral Point Grounding Resistor Assembly

2.4 ZGMNGS
ZGMNGS Complete Set of Equipment for Grounding with Arc Suppression Coil in Parallel with a low-resistance resistor

Typical Application **13**

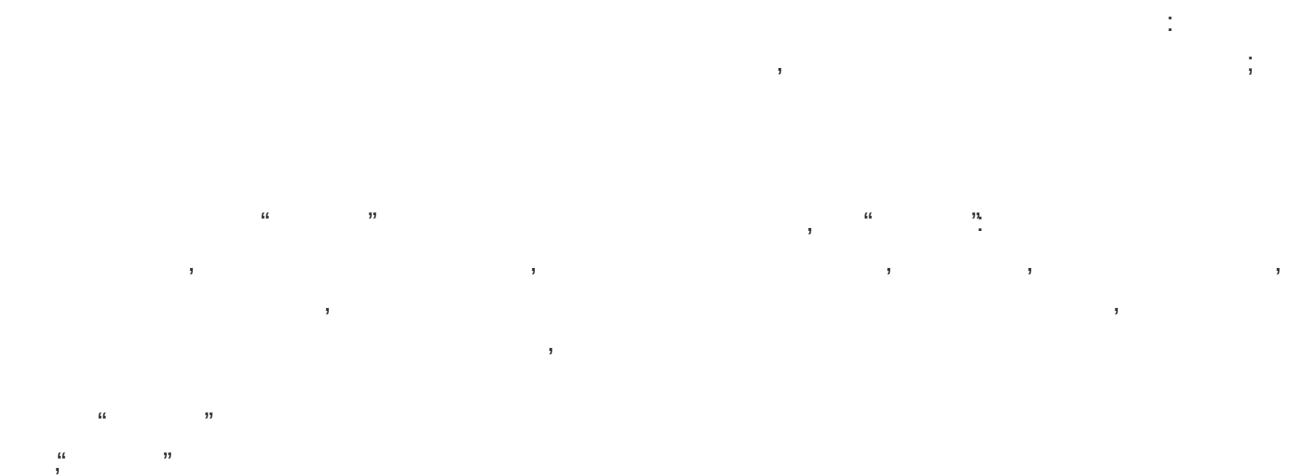
3.1 + “ ”
Application Case of Arc Suppression Coil + "Active" Line Selection in Large-scale Power-consuming Enterprises

3.2 +
Application cases of arc suppression coil + parallel low-resistance resistor grounding

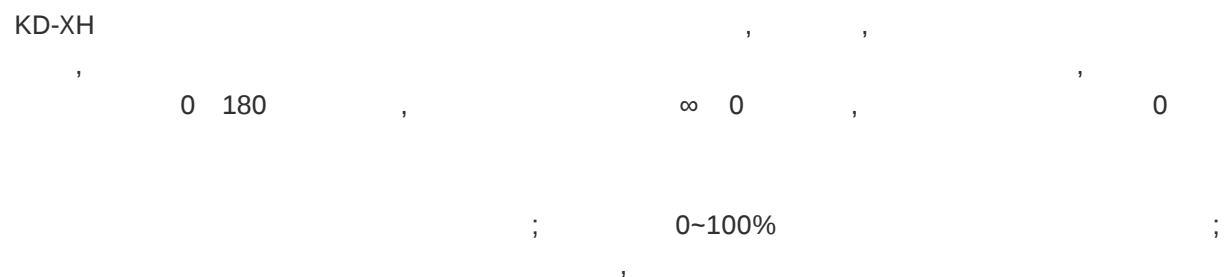
3.2
Typical Cooperative Users

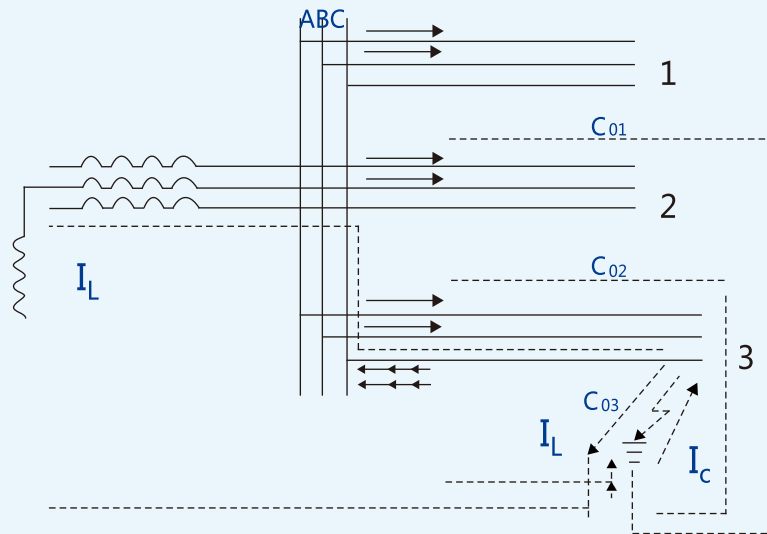
Single Phase Earth Fault Solution 单相接地故障一体化解决方案

1.1 消弧线圈+“主动式”选线方案



◆ 方案一:小扰动选线法(适应配套相控式消弧线圈)

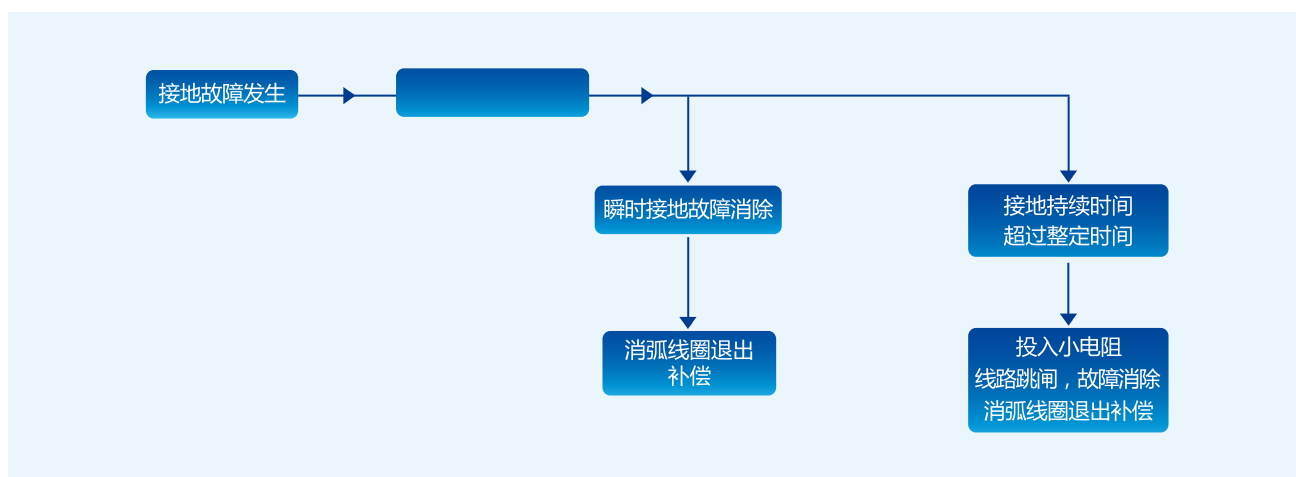
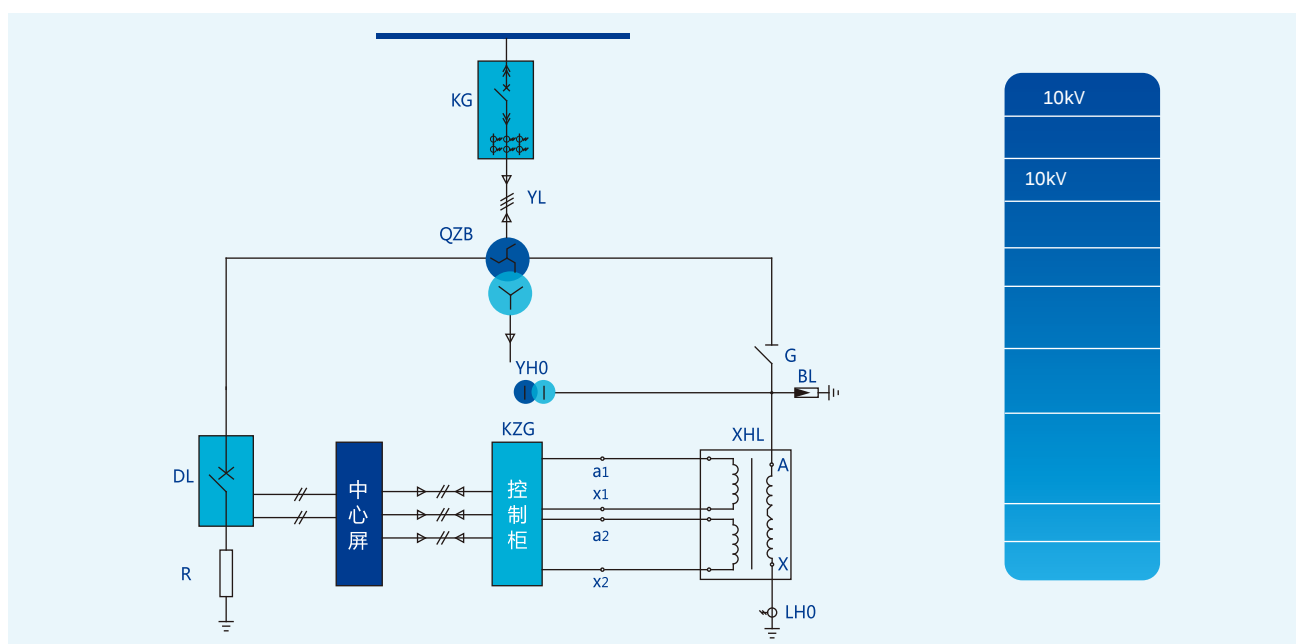






1.2 消弧线圈+并联小电阻接地方案

(5ms)



Neutral Ground Product 中性点接地产品

2.1 KD-XH型相控式消弧线圈及选线系统

◆ 产品概述

- KD-XH 型相控式消弧线圈及选线系统，可实现 100% 补偿。
- 采用晶闸管 (SCR) 控制，响应速度快，精度高。
- 系统结构简单，运行可靠，维护方便。



◆ 技术特点

- 0~100%
-
-
-
-

◆ 技术参数

	6kV,10kV,20kV,35kV
	0~100%
	≤ 2%
	500
	40
	RS-232 RS485, 2400~19200bps

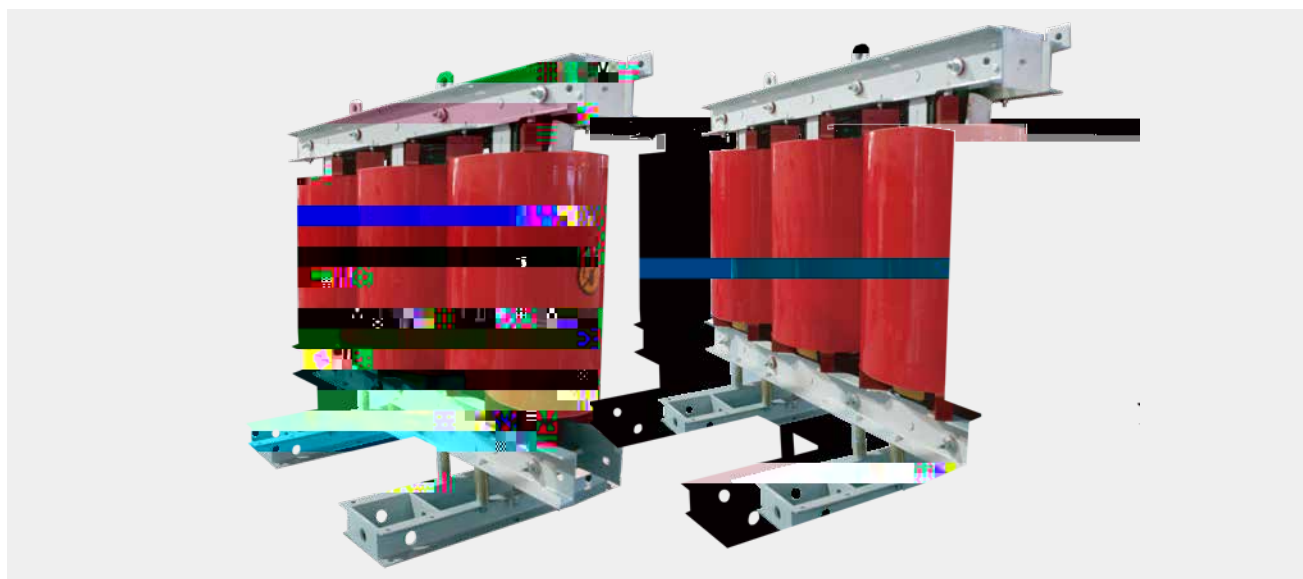


2.2 KD-XHTZ型调匝式消弧线圈及选线系统

◆ 产品概述

- KD-XHTZ

-
-



◆ 技术特点

-
-



◆ 技术参数

	6kV 10kV 20kV 35kV
	30%~100%
	≤ 2%
	500
	40
	RS-232 RS485 2400~19200bps



2.3 ZGNGR型中性点接地电阻成套装置

◆ 产品概述

-
- ZGNGR



◆ 技术特点

- 700K 600K(760K); 10s
- 1100°C 1450°C,
- 10s 10%, ;
-
- ;
- 6kV,10kV,20kV,35kV ,

2.4 ZGMNGS型消弧线圈并联小电阻接地成套装置

◆ 产品概述

- ZGMNGS
- ZGMNGS

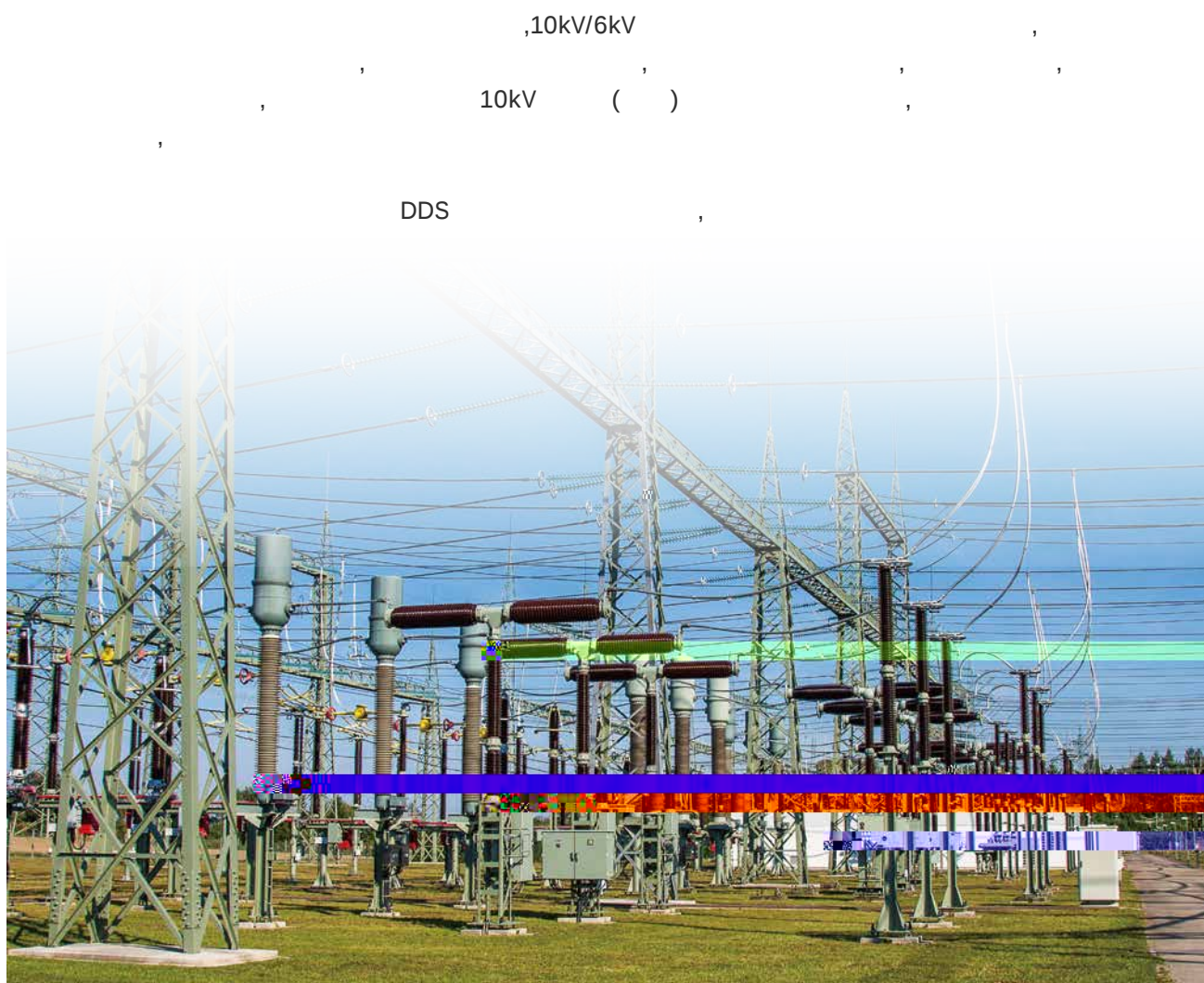


◆ 技术特点

-
-
-

Typical Application 典型应用

3.1 消弧线圈+“主动式”选线大型用电企业应用案例



► 福建某炼化公司“主动式扰动法”选线实践

1# 110kV 2 110kV 6kV
6kV
:
•
;
•
“ + ” :
KD-XH01-400/6.3 5 6kV (
) 6 DDS ,

◆ 典型接地事故分析：

1. II
II
971.2V 1268.4V 2060.2V 679.9V
“ II ” II
500 10000

2. 18

18

- 12 17 12 53 49
- 12 17 13 03 45
- 3171.6V
- 35.9A
- 35.3A

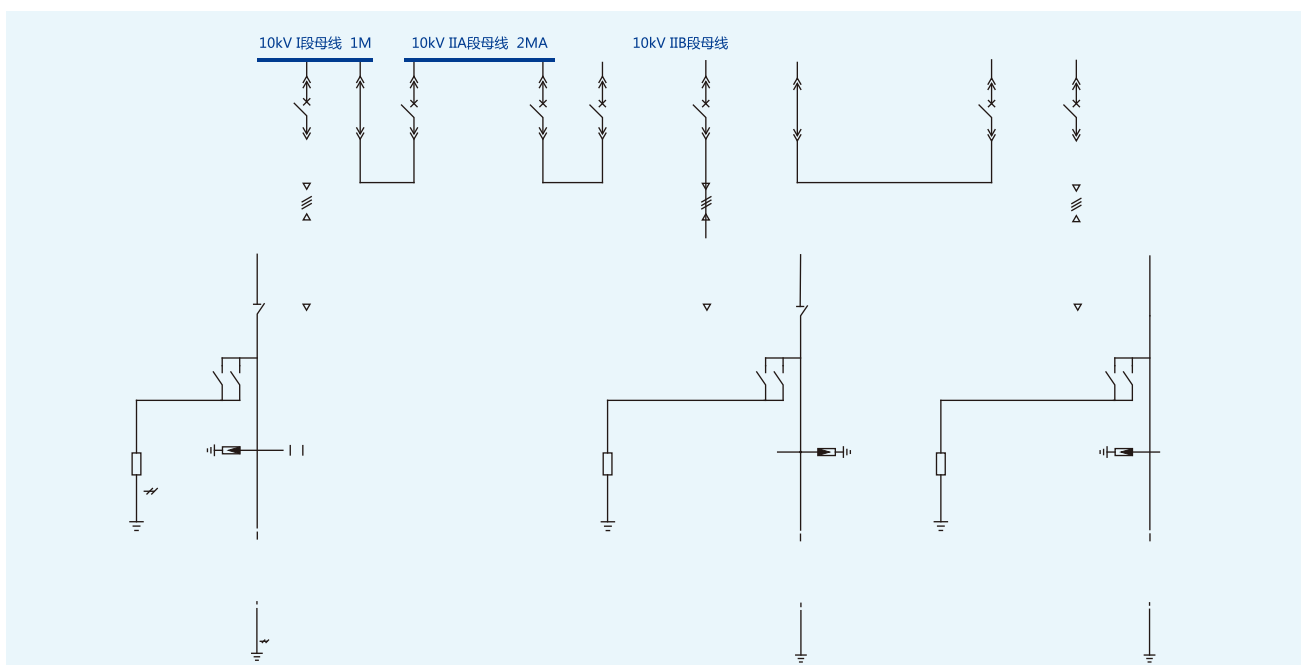
18



3.2 消弧线圈+并联小电阻接地 应用案例

► 广东某站消弧线圈接地升级改造为消弧线圈并联小电阻接地成套装置

，
；
， 60%；





93% , 10kV 159 10s 148 ,
11 , 2# 9 ,3# 2 ,
, 10s , ,
, , 11 , (4802V), (1351V) , ,

► 浙江某站小电阻接地升级改造为消弧线圈并联小电阻接地成套装置

10kV 20kV , ,
, ,
#1 6 20kV :

/					
/	6	7	8	9	6-9
	5	8	16	3	6



“

”

“



MORE...



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