

GG-1A(FZ)-12Z 智能型高压开关柜

Intelligent HV switchgear cabinet



用途 Application

GG-1A(FZ)-12Z 智能型固定式高压开关柜适用于 3.6~12KV 电压等级、采用单母线和单母线分段主接线方式的电网变电所、工矿企事业单位、码头、油田、铁路、住宅小区等用高压变电所中作为受电和馈电及大型电动机的控制和保护用,由于本公司在原 GG-1A 开关柜的基础上对该型开关柜进行了“五防”、“无油化”、和智能型的改造,使该型开关柜更适合老式变电所改造和升级。

GG-1A (FZ) the -12Z intellectual and fixed type high-voltage switch cabinet is suitable for inputting and outputting electricity and control and protection of the large-scale electromotor in electrical network transformer substation, mining business, the wharf, the oil field, the railway station, the residential district and other high pressure transformer substations where adopting the single bus bar and the single bus bar subsection as the main wiring way on the 3.6~12KV voltage degree Because this company have transformed “five prevention”, “without oil”, and “the intelligence” on the switch cabinet on the basis of the original GG-1A switch cabinet, making it possible to transform and promote the old style transformer substation.

主要技术参数 Main technical parameters

| 项目 Item | 单位 Unit | 参数 Parameters |
|---|---------|-------------------|
| 额定电压 Rated voltage | kV | 3.6, 7.2, 12 |
| 额定电流 Rated current | A | 630, 1000, 1250 |
| 额定短路开断电流 Rated short circuit opening current | kA/4S | 20, 25, 31.5 |
| 额定短路关合电流 (峰值) | kA | 50, 63, 80 |
| Rated short circuit breaking current (peak value) | | |
| 工频耐压 (相同、相对地/断口) Line frequency endurable voltage (same, to the earth/fracture) | kV/1min | 42/48 |
| 雷电冲击耐受电压 (相同、相对地/断口) | kV | 75/85 |
| Light shocking yendurable voltage (same, to the earth/fracture) | | |
| 二次工频耐压 Twice line frequency endurable voltage | kV/1min | 2 |
| 额定操作顺序 Rated operation order | | 0-0.3S-C0-180S-C0 |

结构特点 Structural feature

GG-1A(FZ)-12Z 智能型固定式高压开关柜系开启式结构,基本骨架由角钢和钢板卷制焊接而成,开关柜总体由主柜和遮栏柜组成,主柜部分被母线隔板分为两段,上段为母线和隔离开关、接地开关,中部为断路器、互感器,下部为电缆出线室。正面左上为继电器室,下部为端子室,本柜有完善的“五防”闭锁功能。

GG-1A (FZ) the -12Z intellectual fixed type high-voltage switch cabinet is starting type structure, the basic skeleton is curved and welded by the angle steel and the steel plate. In general, The switch cabinet is composed of the main cabinet and fence cabinet. The main cabinet is partially divided by the bus bar's partition board into two sections. The upside is the bus bar and the isolator switch, the earthed switch, the middle is the circuit breaker, the mutual inductor, the bottom is electric cable outing room. The frontage on the left is the relay room, lower part is the terminal room. This cabinet has the perfect function of “five prevention”