



### 1 产品概述 Product Summarize

DY - 30 系列电压继电器用于继电保护线路中，作为过电压保护或低电压闭锁的动作元件。

DY-30 series voltage relays are applying for relay protective circuit as actuating elements of over-voltage protection or low voltage blocking.

### 2 主要技术参数 Main Technological Parameter

- 整定误差：每整定值的误差不大于 6%。
  - 动作误差：不大于 6%。
  - 返回系数：过电压继电器的返回系数不大于 0.8；低电压继电器的返回系数不小于 1.25s。
  - 动作时间：过电压继电器，在 1.1 倍动作值时，动作时间不大于 0.12s(对 DY-30/60C 不大于 0.15s)；在 2 倍动作值时动作时间不大于 0.04s(对 DY-30/60C 不大于 0.06s)；低电压继电器，当继电器的工作电压为 0.5 倍整定电压时，动作时间不大于 0.15s。
  - 触点容量：当电压不大于 250V 及电流不大于 2A 时，触点的断开功率、在具有电感负荷的直流电路(时间常数为  $5 \pm 0.75\text{ms}$ )中为 50W，在交流电路中为 250VA。
  - 功率消耗：在最小整定值处，继电器在线圈所消耗的功率不超过 20VA。
- Set error: the error of each setting value  $\leq 6\%$ .  
 ·Actuating error:  $\leq 6\%$ .  
 ·Return coefficient: return coefficient of over-voltage relay  $\leq 0.8$ ; return coefficient of low voltage relay  $\geq 1.25$ s.  
 ·Operating time: when over-voltage relay is 1.1 times operation value, operating time  $\leq 0.12$ s (to DY-30/60C,  $\leq 0.15$ s); when over-voltage relay is 2 times operation value, operating time  $\leq 0.04$ s (to DY-30/60C,  $\leq 0.06$ s); when the working voltage of low voltage relay is 0.5 times setting voltage, operating time  $\leq 0.15$ s.  
 ·Contact capacity: when voltage  $\leq 250$ V and current  $\leq 2$ A, the breaking power of the contact is 50W in DC circuit (time coefficient =  $5 \pm 0.75\text{ms}$ ) with inductive load, 250VA in AC circuit.  
 ·Power consumption: power consumed of the relay  $\leq 20$ VA in the min. setting value.

型号 Type	最大整定电压 Max. setting voltage	额定电压 Rated voltage		长期允许电压 Long term permit voltage		电压整定范围 Voltage setting range	动作电压 Operation voltage	
		线圈并联 Coil parallel	线圈串联 Coil series	线圈并联 Coil parallel	线圈串联 Coil series		线圈并联 Coil parallel	线圈串联 Coil series
		DY-32/60C	60V	100V	200V		110V	220V
DY-31	60V	30V	60V	35V	70V	15~60V	15~30V	30~60V
DY-32	200V	100V	200V	110V	220V	50~200V	50~100V	100~200V
DY-33								
DY-34	400V	200V	400V	220V	440V	100~400V	100~200V	200~400V
DY-35	48V	30V	60V	35V	70V	12~48V	12~24V	24~48V
DY-36	160V	100V	200V	110V	220V	40~160V	40~80V	80~160V
DY-37								
DY-38	320V	200V	400V	220V	440V	80~320V	80~160V	160~320V

### 3 安装开孔尺寸、接线图 Mounging plate opening size,Wiring drawing

