


1 产品概述 Product Summarize

DY - 20C、20D 系列电压继电器(以下简称继电器)用于发电机、变压器及输电线的电压升高(过电压保护)或电压降低(低电压闭锁)的继电保护线路中。

DY-20C, 20D series voltage relays (for short: relays) are applying for relay protective circuit when the voltage increases (over-voltage protection) or decreases (low-voltage blocking) in generators, transformers and transmission lines.

2 主要技术参数 Main Technological Parameter

名称 Name	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		最小整定值的功率消耗 Min. setting value power consumption	返回系数 Return coefficient
			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		
过电压 Over voltage	DY-21C、D	60	30	60	35	70	15~60	15~30	30~60	1	0.8
	DY-22C、D	200	100	200	110	220	50~200	50~100	100~200		
	DY-24C、D DY-25C、D	400	200	400	220	440	100~400	100~200	200~400		
低电压 Low voltage	DY-26C、D	48	30	60	35	70	12~48	12~24	24~48	1	1.25
	DY-27C、D	160	100	200	110	220	40~160	40~80	80~160		
	DY-28C、D DY-29C、D	320	200	400	220	440	80~320	80~160	160~320		
过电压 Over voltage	DY-21C~25D/60C DY-21D~25D/60C	60	100	200	110	220	15~60	15~30	30~60	2.5	0.8

- 动作时间: 过电压继电器在 1.2 倍整定值时, 动作时间不大于 0.12s;
低电压继电器在 0.5 倍整定值时, 动作时间不大于 0.15s;
- 触点容量: 在电压不超过 250V, 电流不超过 5A, 时间常数为 $5 \pm 0.75\text{ms}$ 的直流有感负荷电路中, 产品输出触点的断开容量为 50W。输出触点在上述规定的负荷条件下, 产品能可靠动作及返回 5×10^4 次。输出触点长期允许接通电流为 5A。
- 介质强度: 产品各导电端子连在一起, 对外露的非带电金属部分或外壳之间, 能承受 2000V (有效值) 50Hz 交流电压历时 1 分钟试验而无绝缘击穿或闪络现象。
- 触点形式: 1 动合、1 动断、1 动合 1 动断、2 动合、2 动断

· Operation time: When the over-voltage relay is 1.2 times setting value, the operation times $\leq 0.12\text{s}$; when the low voltage relay is 0.5 times setting value, the operation times $\leq 0.15\text{s}$.

· Contact capacity: When DC inductive load circuit in which voltages $\leq 250\text{V}$, currents $\leq 5\text{A}$, time coefficient $= 5 \pm 0.75\text{ms}$, the breaking capacity of product output contact is 50W. When the output contact is under the above-specified load condition, the product can operate and return 5×10^4 times reliably. The long-term permit making current of output contact is 5A.

· Dielectric strength: The conductive terminals of the products are connected together, and the uncharged metal or shell exposed outside can bear 2000V (valid value) 50Hz AC voltage experiment, which lasts 1 minute without insulation breakdown or flashover phenomenon.

· Contact type: 1 move to match, 1 move to break, 1 move to match 1 move to break, 2 move to match, 2 move to break

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