



1 产品概述 Product Summarize

JY1 型速度继电器是利用电磁感应原理工作的感应式速度继电器，广泛用于生产机械运动部件的速度控制和反接控制快速停车。如车床主轴、铣床主轴等。

JY1 型速度继电器具有结构简单、工作可靠、价格低廉等特点，故仍今众多生产机械所采用。

This series are induction type speed relays adopting electromagnetic induction principle working, and are widely applying for speed controlling of manufacturing mechanical movement parts and inverse connection rapid parking, such as lathe spindle and milling machine spindle. JY1 series speed-relays have characteristics of simple structure, reliable working, low price, therefore, this series are used in many production mechanical institutes.

2 主要技术参数 Main Technological Parameter

一、JY-1 速度控制继电器主要用于三相鼠笼式电动机的反接制动电路，也可用在异步电动机能耗制动电路中，作为电动机停转后，自动切断直流电源。

二、JY-1 速度控制继电器在连续工作制中，可靠地工作在 3000 转 / 分以下，在反复短时工作制中(频繁起动、制动)每分钟不超过 30 次。

三、JY-1 速度控制继电器在继电器轴转速为 150 转 / 分左右时，即能动作。100 转 / 分以下触点恢复工作位置。

四、抗电强度：应能承受 50Hz 电压 1500 伏、历时一分钟。

五、绝缘电阻：在温度 20℃，相对湿度不大于 80% 时应不小于 100 兆欧。

六、工作环境：温度 -50℃ 至 +50℃，相对湿度不大于 85%(20℃ ± 5)。

七、触头电流小于或等于 2A，电压小于或等于 500V。

八、触头寿命：在不大于额定负荷之下，不小于 10 万次。

注意事项：

一、继电器在运输过程中注意防震、防潮、防尘。

二、包装好的继电器可作任何方式运输，但要避免受雨雪直接淋袭。

1. This series are mainly applying for inverse connection braking circuit of 3-phase cage motor and energy consumption braking circuit of asynchronous motor to cut down DC power automatically after the motors stop working.
2. Under continuous duty, this series can work reliably under 3000 times / min; under repeated short duty (frequently starting and braking), this series can work under 30 times / min.
3. This series can operate when the relay shaft speed is about 150 times / min; the contact recovers working position when the speed is under 100 times / min.
4. Electric strength: this series can bear 50Hz voltage 1500V for one minute.
5. Insulation resistance: when the temperature is 20℃, and relative temperature ≤80%, the insulation resistance ≥100 meg.
6. Working circumstance: temperature -50℃~+50℃, and relative temperature ≤85% (20℃±5).
7. Contact current ≤2A, and voltage ≤500V.
8. Contact life: when under rated load, ≥1×10⁵ times.

Note: 1. Pay attention to shockproof, moisture proof and dustproof in transportation of the relay.

2. The packed relay can be transported in any way, but should avoid direct contact of rain and snow.