

外卡式伺服驱动 External card servo drive



产品介绍 / Product Introduction

- 本电机采用增安型防爆电机，采取一系列可靠的防止火花、电弧和危险高温的措施，可以安全运行于 2 区爆炸危险场所。
- 采用无刷励磁，设置旋转整流盘和静态励磁柜，励磁控制系统可靠；顺极性转差投励准确，无冲击，励磁系统失步保护可靠，再整步能力强；线路设计合理，放电电阻在工作中不发热；励磁电流调节范围宽。
- 同步机、交流励磁机及旋转整流盘同轴。整流盘位于主电机和励磁机之间，或置于轴承座之外。
- 外壳防护等级为 IP54。
- 采用 F 级绝缘，温升按 B 级考核。
- 设增安型防潮加热器，固定在电机底部的罩内，用于停机时加热防潮用。
- 选优质原材料，电气及机械计算留有较大裕度，能满足运行可靠性和增安型电机的温度要求。
- 设置有完善的监控措施：主接线盒内设置用于差动保护的增安型自平衡电流互感器；定子绕组埋设工作和备用的铂热电阻，分度号为 Pt100；两端座式滑动轴承分别设现场温度显示仪表和远传信号端子。
- This motor features increased safety explosion-proof design, with reliable measures against sparks, arcs, and high temperatures, enabling safe operation in Zone 2 explosion-prone areas.
- It employs brushless excitation, with a rotating rectifier disc and static excitation cabinet, ensuring reliable excitation control. The system offers precise positive polarity slip excitation, impact-free, with reliable out-of-step protection and strong resynchronization. The circuit design prevents the discharge resistor from heating during operation and allows wide excitation current adjustment.
- The synchronous machine, AC exciter, and rotating rectifier disc share a common axis. The rectifier disc sits between the main motor and exciter or outside the bearing housing.
- Enclosure protection grade: IP54.
- It uses F-class insulation, with temperature rise assessed per B-class standards.
- An increased safety anti-condensation heater is fixed inside the motor base for heating during shutdown.

