

特点及应用


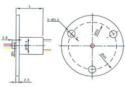

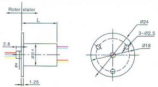

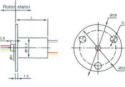

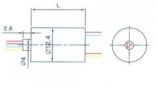
导电滑环属于电接触滑动连接应用范畴，它又称集电环、或称旋转关节、旋转电气接口、滑环、集流环、回流环、线圈、换向器、转接器，是实现两个相对转动机构的图像、数据信号及动力传递的精密输电装置。特别适合应用于无限制的连续旋转，同时还需要从固定位置到旋转位置传递功率或数据的场所。其由弹性材料—电刷、滑动触点表面材料—导电环、绝缘材料、粘接材料、组合支架、精密轴承、防尘罩及其他辅助件等组成。电刷采用贵金属材料，呈“H”型与导电环槽对称双接触，借助电刷的弹性压力与导电环槽滑动接触来传递信号及电流。是各种精密转台、离心机和馈电设备的关键器件。可广泛应用于安防、工厂自动化、电力、金融、仪表、化工、冶金、医疗、航空、军事、船舶、运输、建筑等机电设备上。

Description

The slip ring can be used in any electro-mechanical system that requires unrestrained, continuous rotation while transmitting power and / or data from a stationary to a rotating structure. The slip ring is also called a rotary electrical interface, commutator, collector, swivel or an electrical rotary joint. The brush adopt noble metal alloy material. Conducting ring Using a 900V-groove ring. It adopt multilayer noble metal alloy for plating dispose. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

The SRC Series find typical applications in

- ※ CCTV pan/tilt cameras and pedestals
- ※ Robots and downhole inspection equipment
- ※ Test and measuring equipment
- ※ Manufacturing and process control equipment
- ※ Computer peripherals
- ※ Display equipment Medical equipment

| 型号 Type | 外形尺寸 Outline dimension 单位 (Unit)mm | 型号 Type | 外形尺寸 Outline dimension 单位 (Unit)mm |
|---|---|--|---|
| Resultful  A型("A"Model) SR012A |  | stopped production  A2型("A2"Model) SR012A2 |  |
| stopped production  A1型("A1"Model) SR012A1 |  | Resultful  C型("C"Model) SR012C |  |

电气技术指标 Electric data

| 参数 Specification | 单位 Unit |
|---|---|
| 电压 Voltage | 240VDC-240VAC |
| 电流 Current | 标准每环为2A 2A/ring |
| 导线大小 Lead size | AWG28彩色镀层无氧铜导线 Colour coded FPE insulated lead wires |
| 导线长度 Standard Lead length | 250mm(可根据客户要求提供 250mm (other lengths on request)) |
| 绝缘体强度 High pot | 500VAC@60Hz, 60s |
| 绝缘电阻 Insulation Resistance | 1000MΩ/500VDC |
| 动态接触电阻变化值 Dynamic contact Resistance | <0.01Ω |

滑环寿命由工作转速、工作环境和温度决定
The life of the slip ring is decided by the rotating speed, working environment and temperature.

规格表 Specification List

| 型号 Type | 环数 #Rings | 外径 × 长度 DIA' × LG' |
|----------|-----------|--------------------|
| SR012-6 | 6 | Φ12.5 × 17 |
| SR012-12 | 12 | Φ12.5 × 27 |

机械技术指标 Mechanical data

| 参数 Specification | 单位 Unit |
|------------------------------------|--|
| 工作速度 Operate Speed | 250rpm |
| 温度范围 Temperature range | -20°C~+80°C |
| 接触材料表面 Contact material surface | 金-金 Gold-gold |
| 轴承 The steel bearing | 精密小直径球轴承 The precise small steel ball bearing |

可按客户要求订制各种滑环，也可提供OEM产品

Manufacture slip ring according to customer's request, we also welcome OEM to join us.