

SRC025系列 (SRC025 series)


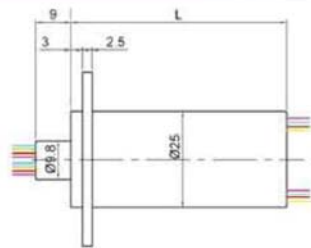
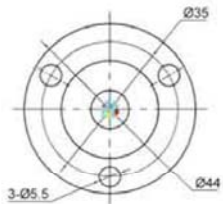
▶▶ 特点及应用:

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,同时又需要从固定位置到旋转位置传送功率或数据的场所。其由弹性材料电刷、滑动触点表面材料导电环、绝缘材料、粘结材料、组合支架、精密轴承、防尘罩及其他辅助件等组成。电刷采用贵金属合金材料,呈"II"型与导电环环槽对称双接触,借助电刷的弹性压力与导电环环槽滑动接触来传递信号及电流。是各种精密转台、离心机和惯导设备的关键器件。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 uses noble metal alloy material, making the ring into a 90°V-slot. It adopts multilayer noble metal alloy for plating dispose. Color-coded lead wires are used on both the stator and rotor side for simplified electrical connections.

- ◆ 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 |
|--|--|--|
|  SRC025 |  |  |

▶▶ 规格表 Specification List

| 型号 Type | 环数 #Rings | 连续电流 Continuous Current(amp) | | | 信号 Signal | 尺寸 Size |
|--------------------------|-----------|------------------------------|---|----|-------------|------------|
| | | 2 | 6 | 10 | | |
| SRC025系列 (SRC025 series) | | | | | | |
| SRC025-30 | 30 | 30 | | | RG178或RG179 | Φ25 × 51.7 |
| SRC025-30-4P/18S | 22 | 18 | 4 | | | Φ25 × 51.7 |
| SRC025-30-3P/15S | 18 | 15 | | 3 | | Φ25 × 51.7 |
| SRC025-36 | 36 | 36 | | | | Φ25 × 59.5 |
| SRC025-36-4P/24S | 28 | 24 | 4 | | | Φ25 × 59.5 |
| SRC025-36-4P/20S-2RG178 | 26 | 20 | 4 | | 2 | Φ25 × 59.5 |
| SRC025-46 | 46 | 46 | | | | Φ25 × 72.5 |
| SRC025-46-4P/34S | 38 | 34 | 4 | | | Φ25 × 72.5 |
| SRC025-46-4P/30S-2RG178 | 36 | 30 | 4 | | 2 | Φ25 × 72.5 |
| SRC025-56 | 56 | 56 | | | | Φ25 × 85.5 |
| SRC025-56-4P/44S | 48 | 44 | 4 | | | Φ25 × 85.5 |
| SRC025-56-4P/40S-2RG178 | 46 | 40 | 4 | | 2 | Φ25 × 85.5 |

- 1、标准 2A/环, 2环合并得 4A, 3环合并得 6A 或按客户要求
- 2、SRC025 系列可以用型号 50 Ω RG178视频线或75Ω RG179视频线。
- 3、外壳法兰可以按客户要求

▶▶ 电气技术指标 Electrical 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, AWG26: 2A, AWG22: 6A, AWG16: 10A FPE高温彩色导线 Colour coded FPE insulated lead wires |
| 导线长度 Standard Lead length | 250mm或根据客户要求提供 250mm(other length 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 | < 0.01 Ω |

▶▶ 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℃—+80℃ |
| 接触材料表面 Contact material surface | 金-金 Gold-gold |
| 轴承 The steel bearing | 精密小滚珠钢轴承 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 the slip ring according to customer's request, We also welcome OEM to join us.