

SRC025系列 (SRC025 series)


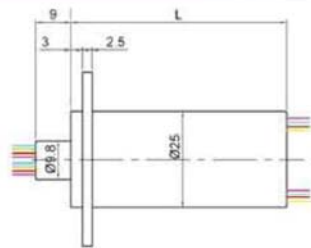
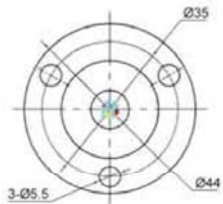
▶▶ 特点及应用:

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.