



SRC022系列 (SRC022 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

▶▶ 规格表 Specification List

型号 Model	环数 #Rings	连续电流 Continuous Current (amp)			尺寸 Size DIA" x LG"
		2	6	10	
SRC022系列 (SRC022 series)					
SRC022-6	6	6			Φ22 x 19
SRC022-12	12	12			Φ22 x 28
SRC022-12-2P/2S	4	2	2		Φ22 x 28
SRC022-15	15	2			Φ22 x 29.5
SRC022-18	18	18			Φ22 x 33.4
SRC022-18-3P	3			3	Φ22 x 33.4
SRC022-24	24	24			Φ22 x 41.2
SRC022-24-4P/6S	10	6	4		Φ22 x 41.2

▶▶ 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

滑环寿命由工作转速，工作环境工作温度决定
The life-span of the slip ring is decided by the rotating speed, working environment and the surrounding temperature.

▶▶ 电气技术指标 Electrical data


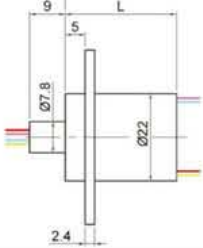


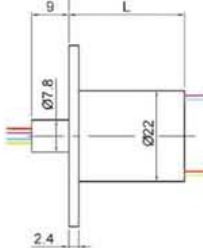
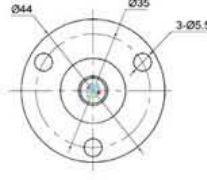

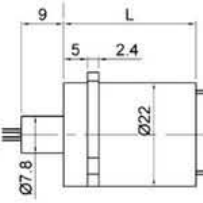
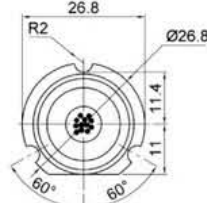

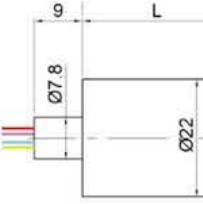
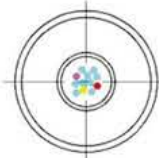

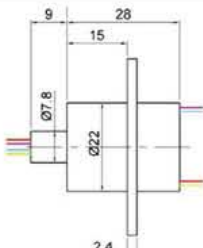
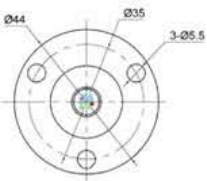

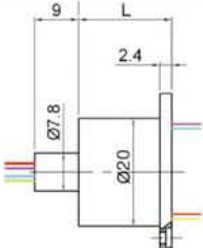

参数 Specification	单位 Unit
电压 Voltage	240VDC—240VAC
电流 Current	标准环为2A，2环合并得4A，可以按客户要求生产 Standard Product: 2A/Ring. The current can be made on customer's request, e.g. combine 2 rings to get 4A.
导线大小 Lead size	AWG28, AWG26: 2A, AWG22: 6A, AWG16: 10A AWG28彩色铁氟龙绝缘导线 Colour coded FPE insulated lead wires
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	< 0.01Ω



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.

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型号 Type	外形尺寸 (Outline dimension)	单位 (Unit) mm
 标准型 (Standard) SRC022		
 A型 ("A" Model) SRC022A		
 B型 ("B" Model) SRC022B		
 C型 ("C" Model) SRC022C		
 仅限于12环 Only limit to 12 rings D型 ("D" Model) SRC022D		
 仅限于6、12环 Only limit to 6, 12 rings E型 ("E" Model) SRC022E		

标准型导线安装顺序:

The slip ring lead color order (begin with the rotor lead exit)

SRC022-6					
#1、红 RED	#2、黄 YEL	#3、黑 BLK	#4、蓝 BLU	#5、绿 GRN	#6、白 WHT
SRC022-12					
1、红 RED	2、绿 GRN	3、黄 YEL	4、紫 PUP	5、灰 GRY	6、黑 BLK
7、蓝 BLU	8、深蓝 DBLU	9、棕 BRN	10、橙 ORN	11、白 WHT	12、土黄 KHK
SRC022-15					
1、红 RED	2、绿 GRN	3、黄 YEL	4、紫 PUP	5、灰 GRY	6、黑 BLK
7、蓝 BLU	8、深蓝 DBLU	9、棕 BRN	10、橙 ORN	11、白 WHT	12、土黄 KHK
13、白色/红色 WHT-RED	14、白色/黑色 WHT-BLK	15、白色/蓝色 WHT-BLU			
SRC022-18					
1、红 RED	2、绿 GRN	3、黄 YEL	4、紫 PUP	5、灰 GRY	6、黑 BLK
7、蓝 BLU	8、深蓝 DBLU	9、棕 BRN	10、橙 ORN	11、白 WHT	12、土黄 KHK
13、白色/红色 WHT-RED	14、白色/黑色 WHT-BLK	15、白色/蓝色 WHT-BLU			
16、白色/紫色 WHT-PUP	17、白色/棕色 WHT-BRN	18、白色/绿色 WHT-GRN			
SRC022-24					
1、红 RED	2、绿 GRN	3、黄 YEL	4、紫 PUP	5、灰 GRY	6、黑 BLK
7、蓝 BLU	8、深蓝 DBLU	9、棕 BRN	10、橙 ORN	11、白 WHT	12、土黄 KHK
13、白色/红色 WHT-RED	14、白色/黑色 WHT-BLK	15、白色/蓝色 WHT-BLU			
16、白色/紫色 WHT-PUP	17、白色/棕色 WHT-BRN	18、白色/绿色 WHT-GRN			
19、白色/橙色 WHT-ORN	20、白色/黄色 WHT-YEL	21、白色/灰色 WHT-GRY			
22、黑色/红色 BLK-RED	23、黑色/蓝色 BLK-BLU	24、黄色/绿色 YEL-GRN			