

帽式导电滑环是壳体附有圆形法兰，中心无孔的一系列导电滑环的统称，主要用于传输精密信号，微弱电流；具有低扭矩，低损耗免维护；低电气噪音等主要特点；

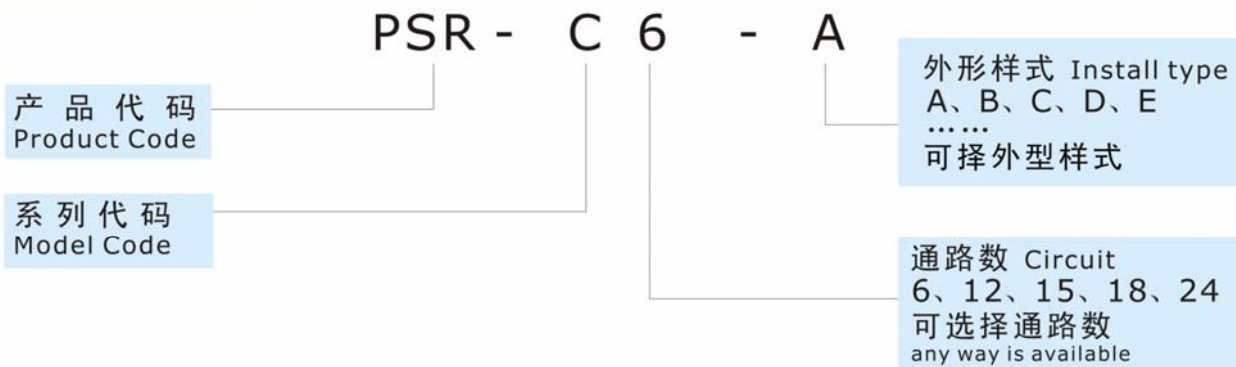
PSR-Cs帽式导电滑环是一系列标准产品，采用紧凑型设计，接触材料使用金；针式电刷和V型导电环设计，保持多点稳定接触，是滑环优越性能的基本保证；

PSR-Cs包含PSR-C6，PSR-C12，PSR-C15，PSR-C18，PSR-C24五款导电滑环基本型号，提供6路，12路，15路，18路，24路传输电路；并有多款外型样式可共选择，或可根据客户需求定制外型；

The PSR-Cs slip ring capsule is a standard, off-the-shelf, no through bore series product, that uses gold contacts at the rotary interface. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

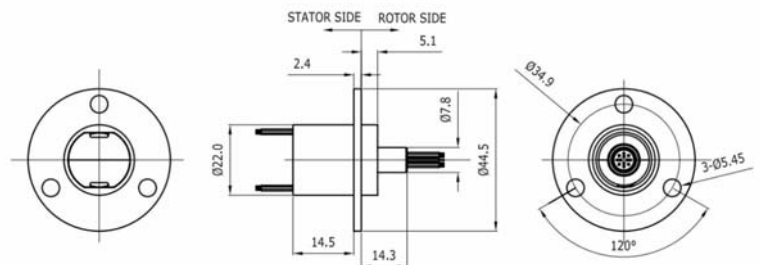
Using a 90°V-groove ring design for each ring, the PSR-Cs provides smoother running, lower torque low contact wear rates than competitive slip ring. PSR-Cs include PSR-C6, PSR-C12, PSR-C15,,PSR-C18, PSR-C24 slip ring model, provides 6, 12,15, 18,24 circuit configurations.

### CS系列编码简示



### 型基本号及尺寸 Basic Model And Size

主体直径 Outer dia:22.0mm 法兰直径 Flange Diameter:44.5mm		
基本型号 Model No.	通路数 Circuits	长度L Length "L"
PSR-C6	6	14.5mm
PSR-C12	12	21.3mm
PSR-C24	24	35.1mm



### ○ 特性 Feature

- 紧凑化设计，小体积，满足苛刻空间需求  
Compact miniature design, small size fit for harsh space
- 模块化设计，满足更高电流，转速，外形等需求  
Module design; Meet the most of requirement
- 多样化外形，支持更多安装要求  
More install method for option
- 支持信号，电源及其混合传输：  
Can combine signal and power in same slip ring



### ○ 材料及配件 Material and Parts

壳体材料 House	工程塑料 Engineer Plastics
接触材料 Contact material	贵金属：金-金 Precious Metal:Gold-Gold
导线 Lead Wire	12色AWG#28 Teflon高温导线 12color #28AWG Teflon wire
轴承 Bearing	精密滚珠轴承 Precision ball bearings

### ○ 机械性能 Mechanical Spec

转速 Speed	300转/分钟 300Rpm
扭矩 Torque	0.01 N.M 0.01 N.M
防护等级 Seal class	Ip54 Ip54

### ○ 环境 Environment

工作温度 Operation temp.	-40 °C ~ +80 °C -40 °C ~ +80 °C
机械振动 Mechanical vibration	MIL-SID-810E MIL-SID-810E
相对湿度 Relative humidity	60% 60%

### ○ 电气性能 Electrical Spec

额定电压 Rating voltage	240VAC 240VAC
额定电流 Rating current	2A/路,并联支持5A,10A 2A /Ring, 5A,10A by parrelled
绝缘电阻 Insulation resistance	1000MΩ@500VDC 1000MΩ@500VDC
耐压 Dielectric strength	600VDC@50Hz 600VDC@50Hz
电气噪音 Electrical noise	10mΩ@6VDC,50mA, 5Rpm 10mΩ@6VDC,50mA, 5Rpm

### ○ 典型应用 Typical Application

- CCTV监控系统  
CCTV Monitoring System;
- 电气测试设备  
Electrical test equipment;
- 医疗设备  
Medical equipment
- 机器人  
Robotics;
- 旋转工作台  
Rotary table

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More install method for option
- 支持信号, 电源及其混合传输,  
Can combine signal and power in same slip ring
- 信号2A/路, 电源可选2、4、6、10A/路;



○ 电气性能 Electrical Spec

通路数	30,36...72
Circuit	30,36...72way
额定电压	240VAC
Rating voltage	240VAC
额定电流	2A/路, 并联支持5A, 10A
Rating current	2A /Ring, 5A, 10A by paralled
绝缘电阻	1000MΩ@500VDC
Insulation resistance	1000MΩ@500VDC
耐压	600VDC@50Hz
Dielectric strength	600VDC@50Hz
转速	300转/分钟
Speed	300Rpm
电气噪音	10mΩ@6VDC, 50mA, 5Rpm
Electrical noise	10mΩ@6VDC, 50mA, 5Rpm

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- 旋转工作台  
Rotary table

型基本号及尺寸 Basic Model And Size

基本型号 Model No.	通路数 Circuits	长度L Length "L"	外径 OD
PSR-C25-30	30	51.7mm	25.0mm
PSR-C25-36	36	59.5mm	25.0mm
PSR-C25-46	46	72.5mm	25.0mm
PSR-C25-56	56	85.5mm	25.0mm
PSR-C25-72	72	107.5mm	35.0mm

