

PSR-F7-12, PSR-F3-24和PSR-F15-12或PSR-F15-24是标准的微型并中心带孔的产品, 接触材料使用金。彩色耐高温导线简化电气连接。此类导电环采用90度V型槽设计, 低力矩, 低损耗, 低电气噪音, 领先同类滑环。

PSR-Fs包含PSR-F7-12, PSR-F3-24和PSR-F15-12或PSR-F15-24四款导电滑环基本型号, 提供12路, 24路传输电路, 2A/路传输电源及信号, 并有多款外型样式可共选择, 或可根据客户需求定制外型;

PSR-F7-12, PSR-F3-24, PSR-F15-12, and PSR-F15-24 slip ring is a miniature, standard, off-the-shelf series product with through bore, 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 sliprings provide smoother running, lower torque, low contact wear rates than competitive slip ring, and provide 12, 24 circuit, 2A/circuit for power or signal.

FS系列编码简示

PSR - F 3/7/15 - A

产品代码
Product Code

系列代码
Model Code

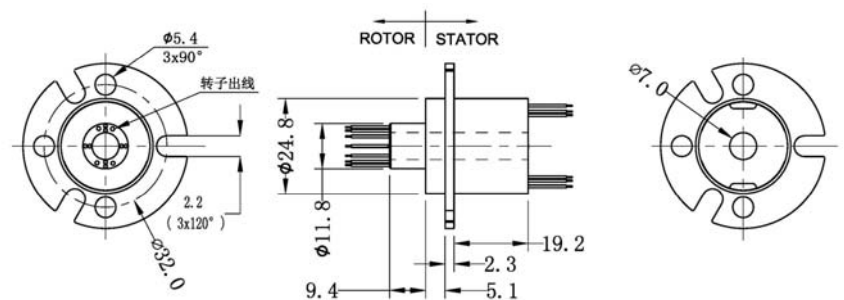
通路数 Install type
12、24……
可选择通路数
Any way is optional

中心孔径 Through bore
15mm

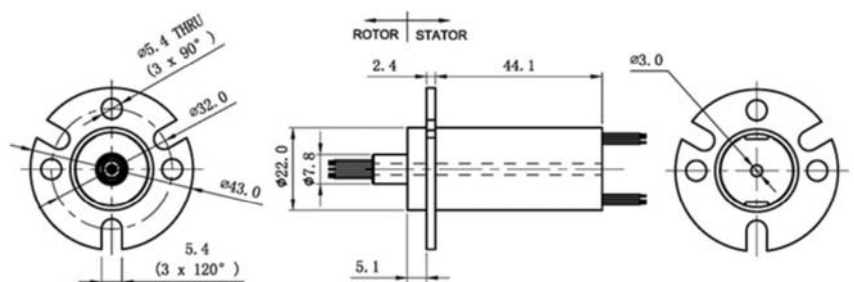


基本型号及尺寸 Basic Model and Size

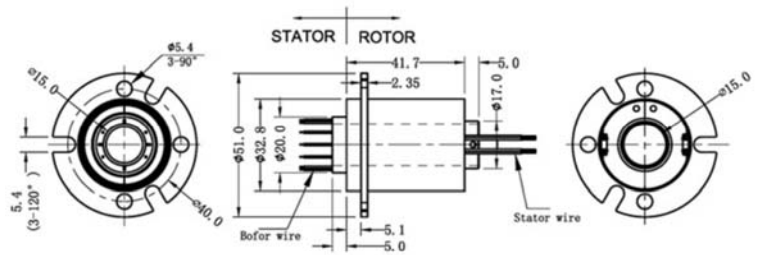
主体直径 Outer dia	24.8 mm	
中心孔径 Through bore.	7.0mm	
基本型号 Model No.	通路数 Circuits	长度L Length "L"
PSR-F7-12	12	27.6mm



主体直径 Outer dia	22.0mm	
中心孔径 Through bore.	3.0mm	
基本型号 Model No.	通路数 Circuits	长度L Length "L"
PSR-F3-24	24	44.1mm



主体直径 Outer dia	32.8mm	
中心孔径 Through bore.	15.0mm	
基本型号 Model No.	通路数 Circuits	长度L Length "L"
PSR-F15-24	24	46.7mm



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
- 电滑环和光纤组合
Combine slip ring + FORJ
- 支持传输电源和数据信号及高速数字信号混合传输
Can combine signal and power in same slip ring

典型应用 Typical Application

- 小型实验室
Small laboratory ;
- 电气测试设备
Electrical test equipment;
- 医疗设备
Medical equipment
- 机器人
Robotics;

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	380VAC 380VAC
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

材料及配件 Material and Parts

壳体材料 House	铝合金 Al Alloy
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