

PSR-SD系列是标准的帽式和高清组合产品的统称, PSR-F3-36, 提供36路传输电路, 2A/路传输电源及信号, 和1对同轴SDI旋转接头供传输高清视频、高速数字等信号; 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-SD导电环接触材料使用金, 采用90度V型槽设计, 低力矩, 低损耗, 低电气噪音, 彩色耐高温导线简化电气连接, 领先同类滑环。

PSR-SD slip ring is a standard capsule, off-the-shelf 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-SD provides smoother running, lower torque low contact wear rates than competitive slip ring. provides 36 electronic circuit+1 SDI signal, 2A/circuit for power or signal, and 1 channel SDI Rotary Joint for high speed data SDI vedio signal configurations

SDI系列编码简示

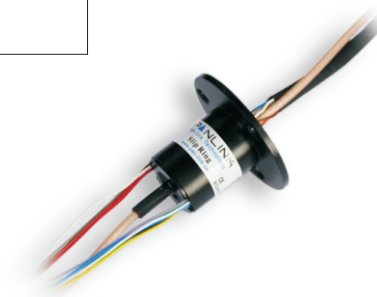
PSR - SD 3 - 36

产品代码
Product Code

通路数 Ways

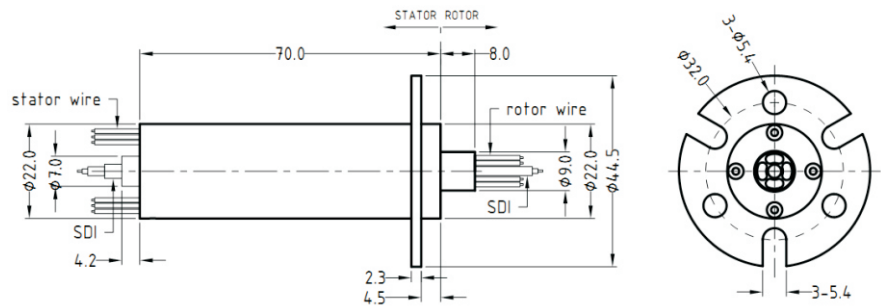
36路

系列代码
Model Code



基本型号及尺寸 Basic Model and Size

主体直径 Outside dia	22.0 mm	
法兰直径 Flange dia.	44.5mm	
基本型号 Model NO	通路数 Circuits	长度L Length "L"
PSR-SD3-36	36	70.0mm



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

电滑环和高清滑环组合

Combine slip ring + RF Joint

支持传输电源和数据信号及高速数字信号混合传输

Can combine high speed data HD vedio signal and power in same slip ring

典型应用 Typical Application

高清CCTV监控系统/高清云台

CCTV Monitoring System;

电气测试设备

Electrical test equipment;

医疗设备

Medical equipment

机器人

Robotics;

◎ 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	100转/分钟 100Rpm
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电源传输(线路并联) 2A per circuits, Transfers 5A and 10A power by combined with 2A rings
绝缘电阻 Insulation resistance	1000MΩ@500VDC 1000MΩ@500VDC
耐压 Dielectric strength	600VDC@50Hz 600VDC@50Hz
电气噪音 Electrical noise	70mΩ@6VDC, 50mA, 5Rpm 70mΩ@6VDC, 50mA, 5Rpm

◎ SDI旋转接头性能规格

Specification for RF Rotary Joint

频率 Frequency rate	DC-2.3GHz
插入损耗 Insertion loss	0.65 dB /1GHz Max
插入损耗起伏 Insertion loss typica	+/-0.05dB
回波损耗 Return loss	-18 dB / 1GHz Max;
输入输出 In put out put	RG-179/U
最大转速 Maximum speed.	100 rpm
电压驻波比 voltage standing wave ratio	VSWR≤1.3
电压驻波比起伏 voltage standing wave ratio typical	+/-0.05
预计寿命 Estimated life cycle	200million revolutions
工作温度 Working temperature	-40 to 80 C
储存温度 Storage temperature	-50 to 85 C
接头类型 Connector types	BNC / F
阻抗 Impedance	75 ohms
额定电流 Rating Current	DC 1A Max

专业 技术 可靠