

PSR-T100

T100过孔式导电滑环 Through bore slip ring

过孔式导电滑环是中心带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、大电流、高电压；具有低扭矩，低损耗免维护；低电气噪音、超长寿命等主要特点；

PSR-T100的无障碍过孔直径为101.6mm，外径为205mm；采用刷式接触技术多点接触保证接触稳定。低压力，低摩擦，实现免维护免润滑超长使用寿命。

PSR-T100 is a commercial slip rings that with a 101.6mm through-bore and a 205mm outside diameter. Use fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle, low contact force per fiber and low contact wear rates. In addition fiber bush do not require lubrication and produce virtually no wear debris

TS系列编码简示

PSR - T100 - 6

产品代码
Product Code

系列代码
Model Code

通路数 Circuit

6、12、18、24

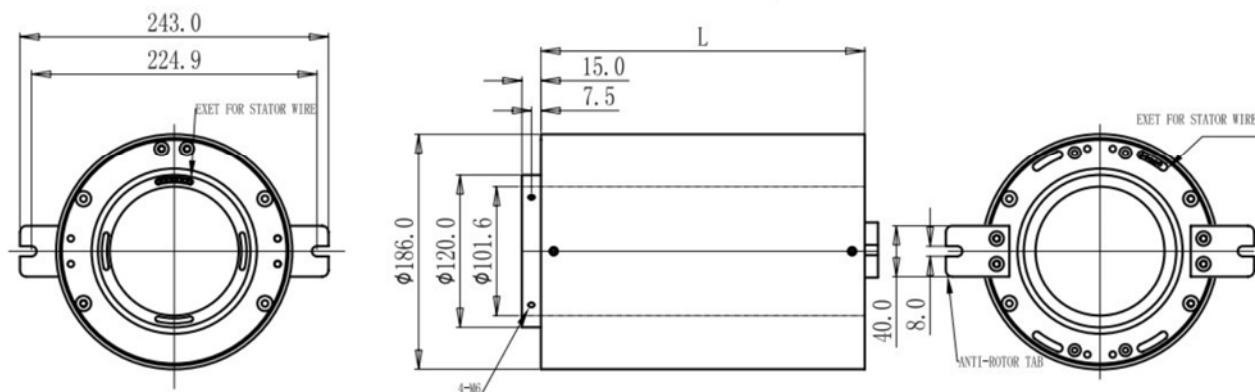
可选择通路数
any way is available

中心孔径 Through bore

70.0mm

基本型号及尺寸 Basic Model and Size

外径 Outer dia	138mm	
基本型号 Model No.	通路数 Circuits	长度L Length "L"
PSR-T100-6	1-6	133.15mm
PSR-T100-12	7-12	217.15mm
PSR-T100-18	13-18	301.15mm
PSR-T100-24	19-24	385.15mm
PSR-T100-30	25-30	469.15mm
PSR-T100-36	31-36	553.15mm
PSR-T100-42	37-42	637.15mm
PSR-T100-48	43-48	721.15mm
PSR-T100-54	49-54	805.15mm
PSR-T100-60	55-60	168.15mm



特性 Feature

- 独特接触设计提供更长寿命及免维护稳定运转（无需润滑剂）
Fiber brush technology provides maintenance free operation (no cleaning or lubrication required)
- 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&铝合金 Engineer Plastics& Al Alloy
接触材料 Contact material	贵金属 Precious Metal
导线 Lead Wire	12色0.5mm ² Teflon高温导线 12color 0.5mm ² Teflon wire
轴承 Bearing	精密滚珠轴承 Precision ball bearings

电气性能 Electrical Spec

额定电压 Rating voltage	380VAC
额定电流 Rating current	5A/路, 10A/路, 15A/路 5A, 10A, 15A /Ring
绝缘电阻 Insulation resistance	1000MΩ@500VDC
耐压 Dielectric strength	600VDC@50Hz
电气噪音 Electrical noise	10mΩ@6VDC,50mA, 5Rpm

可选项 Options

可选安装法兰盘；	Flange for set up;
可选更高转速：1000转/分钟、2500转/分钟、5000转/分钟	Higher rotational speed; 1000Rpm、2500Rpm、5000Rpm
支持更多通路数：1-100路	Can combine more circuits: 1-100Ring
支持更高电压与电流	Higher voltage and current capacity
导线出口方向可选	Various radial exits are available

典型应用 Typical Application

- 制药机械
Pharmaceutical Machine;
- 起重机械
Crane;
- 灌装机械
Filling Machine;
- 电缆卷筒
Cable Reels
- 回转平台
Rotating platform;

机械性能 Mechanical Spec

转速 Speed	300转/分钟 300Rpm
扭矩 Torque	40 N.cm
防护等级 Seal class	Ip54

环境 Environment

工作温度 Operation temp.	-40 °C ~ +80 °C
机械振动 Mechanical vibration	MIL-SID-810E
相对湿度 Relative humidity	95%