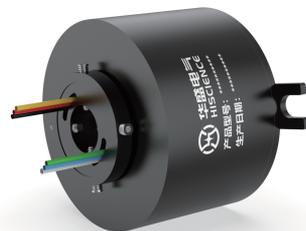


# 空心轴滑环系列

## 产品系列介绍

华盛电气的空心轴导电滑环采用先进的簇刷式技术，接触件使用耐磨耐腐蚀三级超硬金表面处理技术，硬度、强度、耐磨性及导电率均优于连接器接触件国际军工标准规范，环道表面十分光滑，表面粗糙度 $\leq Ra0.4$ ，每路信号进行匹配设计，杜绝传输信号在高速旋转出现掉包现象。

中心通孔从0到1000mm可选，电流从0到5000A可选，电压最高可达10000V，能全面满足您的不同传动方案。



电气特性		机械特性		环境特性	
通道数	06/12/18/24	工作转速	0~300RPM	工作温度	-40°C~+80°C
工作电流	5A(信号)/10A	触点材料	贵金属		
工作电压	440VAC/DC	壳体材料	铝合金/工程塑料	工作湿度	$\leq 70\%RH$
耐压强度	两者之间 500VAC@50Hz	导线规格	铁氟龙或其他导线	防护等级	IP50
绝缘电阻	$\geq 500M\Omega@500VDC$	导线长度	转子/定子:300mm	其他性能	
动态电阻 波动值	最小可达1m $\Omega$	力 矩	$\leq 0.1N.m / 6路$ $+0.03N.m / 6路$	使用寿命	1000万转(可定制)

## 可定制选项说明:

- 1、工作温度：标准品-30°C~+70°C，定制温度范围：-60°C~+200°C
- 2、工作转速：标准品0~300RPM，0~20000RPM（可定制）
- 3、参考使用寿命：标准品1000万转@300RPM，超长寿命滑环可定制
- 4、壳体：工程塑料、铝合金、不锈钢
- 5、防护等级：IP50-IP68（可定制）
- 6、导线末端接插件及长度
- 7、可与气、液、射频、光纤旋转关节集成组合滑环
- 8、可多种信号（如工业以太网、串口、工业总线、USB、SDI等）、电流同时混合传输

# 空心轴滑环系列

## 产品特点

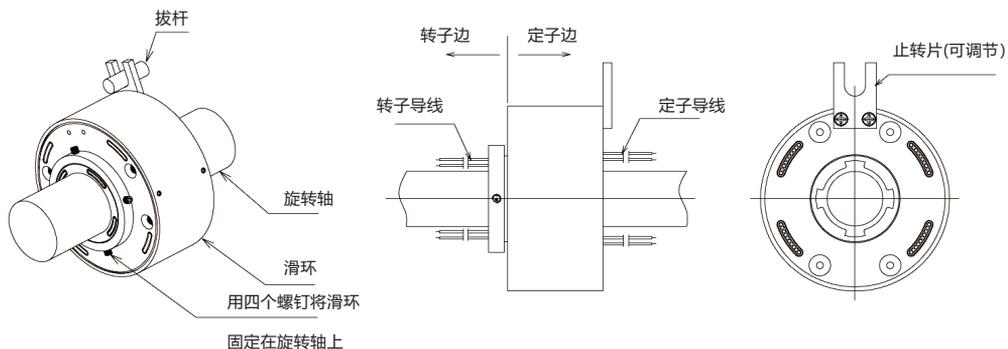
- 可传输模拟和数字信号
- 功率与信号混合传输，信号类别如下：
  - (1)、以太网：速率（10Mbps/100Mbps/1000Mbps）
  - (2)、工业以太网：EtherNet, EtherCAT, ProfiNet, Powerlink, SercosIII/IP等
  - (3)、高清视频：SDI, LVDS等
  - (4)、串口通信：RS232, RS485, RS422等
  - (5)、通用串行总线：USB2.0
  - (6)、工业现场总线：CANBus, ProfiBus, InterBus, CC-Link, DeviceNet等
  - (7)、传感器信号：热电阻, 热电偶, 应变片等
- 超长寿命，免维护
- 安装便捷

## 典型应用

工业自动化设备、医疗设备、风力发电设备、测试设备、展览/显示设备、机器人设备、转台设备、游艺设备、高铁设备、包装机械、船舶海工设备、工程机械等。

## 安装说明及示意图

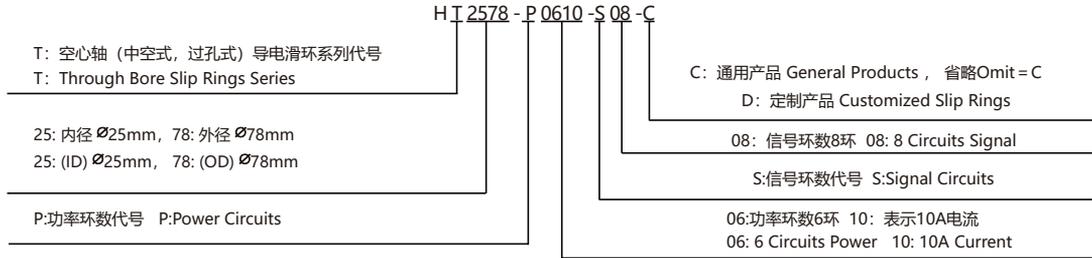
- 1、滑环体不得作承重用，导线也不得承受外部拉扯力；
- 2、安装滑环时，转子和定子不能都采用硬连接，建议用4个紧定螺钉将滑环转子固定在旋转轴上，拨杆插入定子端止转片，同时梳理好导线，避免导线出现干涉或破损；
- 3、滑环属于精密电气元件，如果使用环境恶劣，应增加防护措施，或者选用防护等级更高的定制滑环。



# 空心轴滑环系列

## 订购型号说明

例：HT2578-P0610-S08-C



各环路导线色码表 Color Code Of Lead Wire												
环道 Ring #	1	2	3	4	5	6	7	8	9	10	11	12
颜色 Color	黑 Black	褐 Brown	红 Red	橙 Orange	黄 Yellow	绿 Green	蓝 Blue	紫 Violet	灰 Grey	白 White	粉红 Pink	浅蓝 Azury

备注: 当出线数量超过12种颜色, 则用重复的颜色, 并用号码管做出区分。

Remark: If more than 12wires, repeat as sequence, use number tubes to distinguish them.

## 标准系列选型表

HT系列过孔式导电滑环 HT Series Through Bore Slip Rings			
型号 Part NO.	内径(mm) ID(mm)	外径(mm) OD(mm)	线路数(mm) NO.Of Circuits(mm)
HT1256	12.7	56	1~36
HT1256F	12.7	56	1~36
HT2578	25.4	78	1~36
HT2578F	25.4	86	1~36
HT3899	38.1	99	1~36
HT3899F	38.1	99	1~36
HT50119	50	119	1~36
HT50119F	50	119	1~36

# 空心轴滑环系列

HT1256系列选型表

HT1256 系列 HT1256 Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT1256-P0605	0	6	0	41.7
HT1256-P1205	0	12	0	67.5
HT1256-P1805	0	18	0	67.5
HT1256-P2405	0	24	0	92.7
HT1256-P3005	0	30	0	105.6
HT1256-P3605	0	36	0	118.5
HT1256-P0610	6	0	0	41.7
HT1256-P1210	12	0	0	67.5
HT1256-P1810	18	0	0	80.1
HT1256-P2410	24	0	0	105.6
HT1256-S09	0	0	9	42.3
HT1256-S18	0	0	18	67.5
HT1256-S27	0	0	27	92.7
HT1256-S36	0	0	36	105.6
HT1256-P0605-S09	0	6	9	67.5
HT1256-P0605-S18	0	6	18	80.1
HT1256-P1205-S09	0	12	9	80.1
HT1256-P1205-S18	0	12	18	92.7
HT1256-P1805-S09	0	18	9	92.7
HT1256-P1805-S18	0	18	18	118.5
HT1256-P0610-S09	6	0	9	67.5
HT1256-P0610-S18	6	0	18	92.7
HT1256-P1210-S09	12	0	9	80.7
HT1256-P1210-S18	12	0	18	105.6

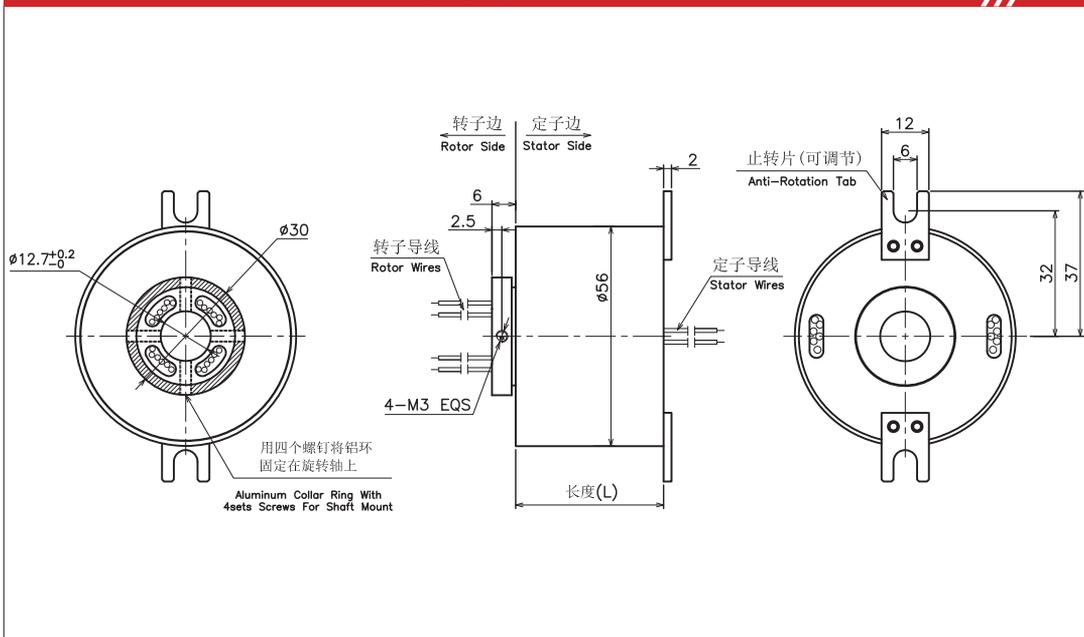
# 空心轴滑环系列

HT1256F系列选型表

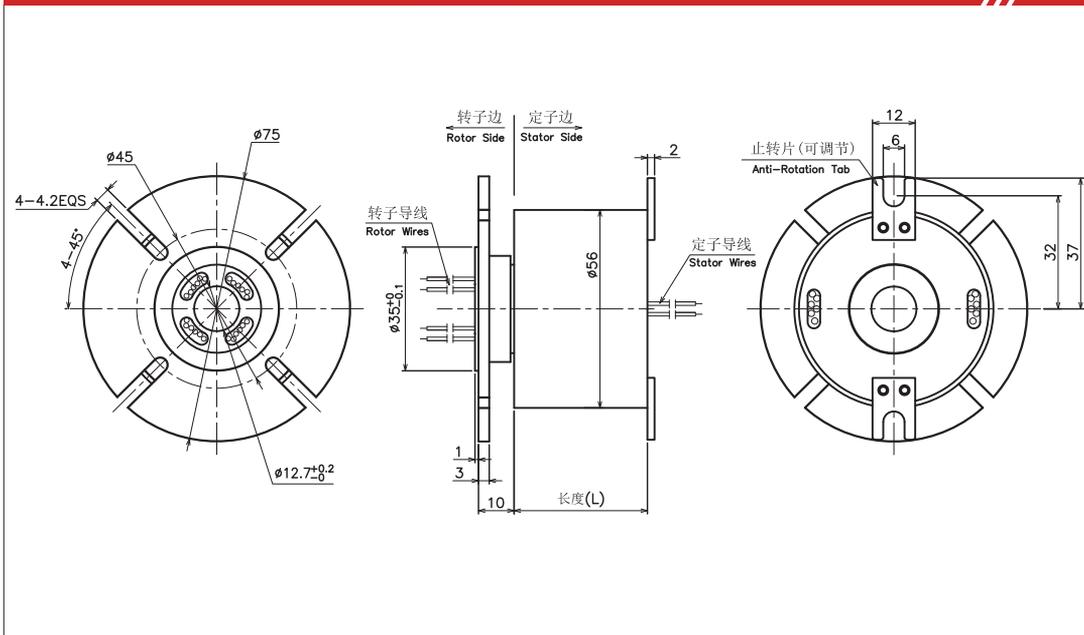
HT1256F 系列 HT1256F Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT1256F-P0605	0	6	0	41.7
HT1256F-P1205	0	12	0	67.5
HT1256F-P1805	0	18	0	67.5
HT1256F-P2405	0	24	0	92.7
HT1256F-P3005	0	30	0	105.6
HT1256F-P3605	0	36	0	118.5
HT1256F-P0610	6	0	0	41.7
HT1256F-P1210	12	0	0	67.5
HT1256F-P1810	18	0	0	80.1
HT1256F-P2410	24	0	0	105.6
HT1256F-S09	0	0	9	42.3
HT1256F-S18	0	0	18	67.5
HT1256F-S27	0	0	27	92.7
HT1256F-S36	0	0	36	105.6
HT1256F-P0605-S09	0	6	9	67.5
HT1256F-P0605-S18	0	6	18	80.1
HT1256F-P1205-S09	0	12	9	80.1
HT1256F-P1205-S18	0	12	18	92.7
HT1256F-P1805-S09	0	18	9	92.7
HT1256F-P1805-S18	0	18	18	118.5
HT1256F-P0610-S09	6	0	9	67.5
HT1256F-P0610-S18	6	0	18	92.7
HT1256F-P1210-S09	12	0	9	80.7
HT1256F-P1210-S18	12	0	18	105.6

# 空心轴滑环系列

HT1256 系列外形图 HT1256 Series Dimensions



HT1256F 系列外形图 HT1256F Series Dimensions



# 空心轴滑环系列

HT2578系列选型表

HT2578 系列 HT2578 Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT2578-P0605	0	6	0	47.1
HT2578-P1205	0	12	0	68.7
HT2578-P1805	0	18	0	68.7
HT2578-P2405	0	24	0	90.3
HT2578-P3005	0	30	0	111.9
HT2578-P3605	0	36	0	133.5
HT2578-P0610	6	0	0	47.1
HT2578-P1210	12	0	0	68.7
HT2578-P1810	18	0	0	90.3
HT2578-P2410	24	0	0	111.9
HT2578-P3010	30	0	0	133.5
HT2578-S09	0	0	9	47.1
HT2578-S18	0	0	18	68.7
HT2578-S27	0	0	27	90.3
HT2578-S36	0	0	36	111.9
HT2578-P0605-S09	0	6	9	68.7
HT2578-P0605-S18	0	6	18	90.3
HT2578-P0605-S27	0	6	27	111.9
HT2578-P1205-S09	0	12	9	90.3
HT2578-P1205-S18	0	12	18	111.9
HT2578-P1205-S27	0	12	27	133.5
HT2578-P1805-S09	0	18	9	111.9
HT2578-P1805-S18	0	18	18	133.5
HT2578-P2405-S09	0	24	9	111.9
HT2578-P2405-S18	0	24	18	133.5
HT2578-P3005-S09	0	30	9	133.5
HT2578-P0610-S09	6	0	9	68.7
HT2578-P0610-S18	6	0	18	90.3
HT2578-P0610-S27	6	0	27	111.9
HT2578-P1210-S09	12	0	9	90.3
HT2578-P1210-S18	12	0	18	111.9
HT2578-P1810-S09	18	0	9	111.9
HT2578-P1810-S18	18	0	18	133.5
HT2578-P2410-S09	24	0	9	133.5

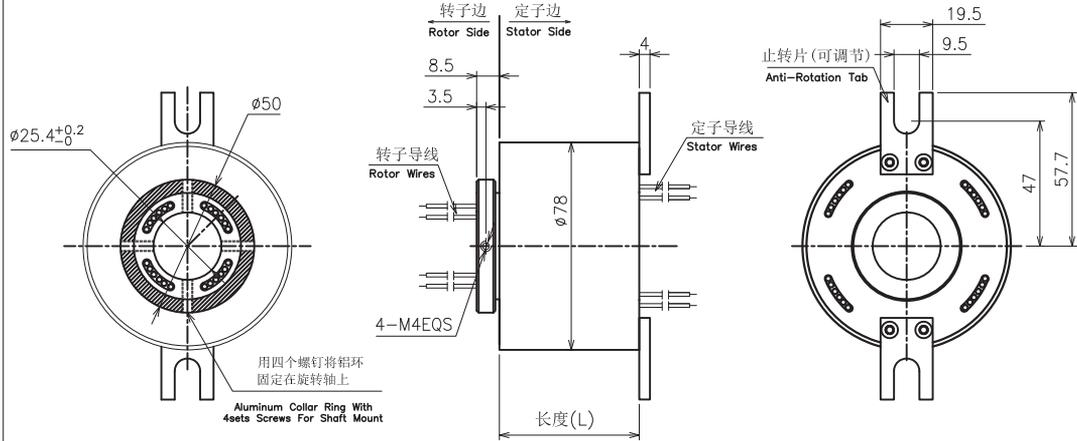
# 空心轴滑环系列

HT2578F系列选型表

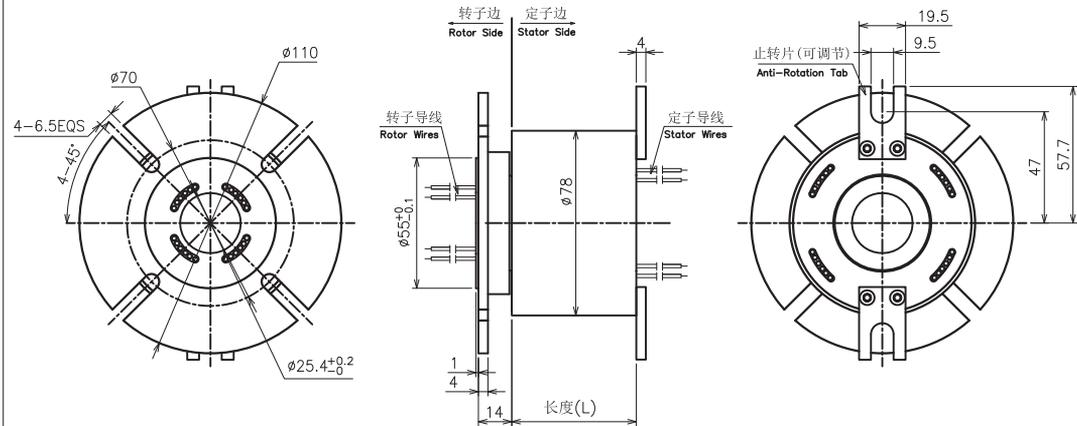
HT2578F 系列 HT2578F Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT2578F-P0605	0	6	0	47.1
HT2578F-P1205	0	12	0	68.7
HT2578F-P1805	0	18	0	68.7
HT2578F-P2405	0	24	0	90.3
HT2578F-P3005	0	30	0	111.9
HT2578F-P3605	0	36	0	133.5
HT2578F-P0610	6	0	0	47.1
HT2578F-P1210	12	0	0	68.7
HT2578F-P1810	18	0	0	90.3
HT2578F-P2410	24	0	0	111.9
HT2578F-P3010	30	0	0	133.5
HT2578F-S09	0	0	9	47.1
HT2578F-S18	0	0	18	68.7
HT2578F-S27	0	0	27	90.3
HT2578F-S36	0	0	36	111.9
HT2578F-P0605-S09	0	6	9	68.7
HT2578F-P0605-S18	0	6	18	90.3
HT2578F-P0605-S27	0	6	27	111.9
HT2578F-P1205-S09	0	12	9	90.3
HT2578F-P1205-S18	0	12	18	111.9
HT2578F-P1205-S27	0	12	27	133.5
HT2578F-P1805-S09	0	18	9	111.9
HT2578F-P1805-S18	0	18	18	133.5
HT2578F-P2405-S09	0	24	9	111.9
HT2578F-P2405-S18	0	24	18	133.5
HT2578F-P3005-S09	0	30	9	133.5
HT2578F-P0610-S09	6	0	9	68.7
HT2578F-P0610-S18	6	0	18	90.3
HT2578F-P0610-S27	6	0	27	111.9
HT2578F-P1210-S09	12	0	9	90.3
HT2578F-P1210-S18	12	0	18	111.9
HT2578F-P1810-S09	18	0	9	111.9
HT2578F-P1810-S18	18	0	18	133.5
HT2578F-P2410-S09	24	0	9	133.5

# 空心轴滑环系列

HT2578 系列外形图 HT2578 Series Dimensions



HT2578F 系列外形图 HT2578F Series Dimensions



# 空心轴滑环系列

HT3899系列选型表

HT3899 系列 HT3899 Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT3899-P0605	0	6	0	47.1
HT3899-P1205	0	12	0	68.7
HT3899-P1805	0	18	0	68.7
HT3899-P2405	0	24	0	90.3
HT3899-P3005	0	30	0	111.9
HT3899-P3605	0	36	0	133.5
HT3899-P0610	6	0	0	47.1
HT3899-P1210	12	0	0	68.7
HT3899-P1810	18	0	0	90.3
HT3899-P2410	24	0	0	111.9
HT3899-P3010	30	0	0	133.5
HT3899-S09	0	0	9	47.1
HT3899-S18	0	0	18	68.7
HT3899-S27	0	0	27	90.3
HT3899-S36	0	0	36	111.9
HT3899-P0605-S09	0	6	9	68.7
HT3899-P0605-S18	0	6	18	90.3
HT3899-P0605-S27	0	6	27	111.9
HT3899-P1205-S09	0	12	9	90.3
HT3899-P1205-S18	0	12	18	111.9
HT3899-P1205-S27	0	12	27	133.5
HT3899-P1805-S09	0	18	9	111.9
HT3899-P1805-S18	0	18	18	133.5
HT3899-P2405-S09	0	24	9	111.9
HT3899-P2405-S18	0	24	18	133.5
HT3899-P3005-S09	0	30	9	133.5
HT3899-P0610-S09	6	0	9	68.7
HT3899-P0610-S18	6	0	18	90.3
HT3899-P0610-S27	6	0	27	111.9
HT3899-P1210-S09	12	0	9	90.3
HT3899-P1210-S18	12	0	18	111.9
HT3899-P1810-S09	18	0	9	111.9
HT3899-P1810-S18	18	0	18	133.5
HT3899-P2410-S09	24	0	9	133.5

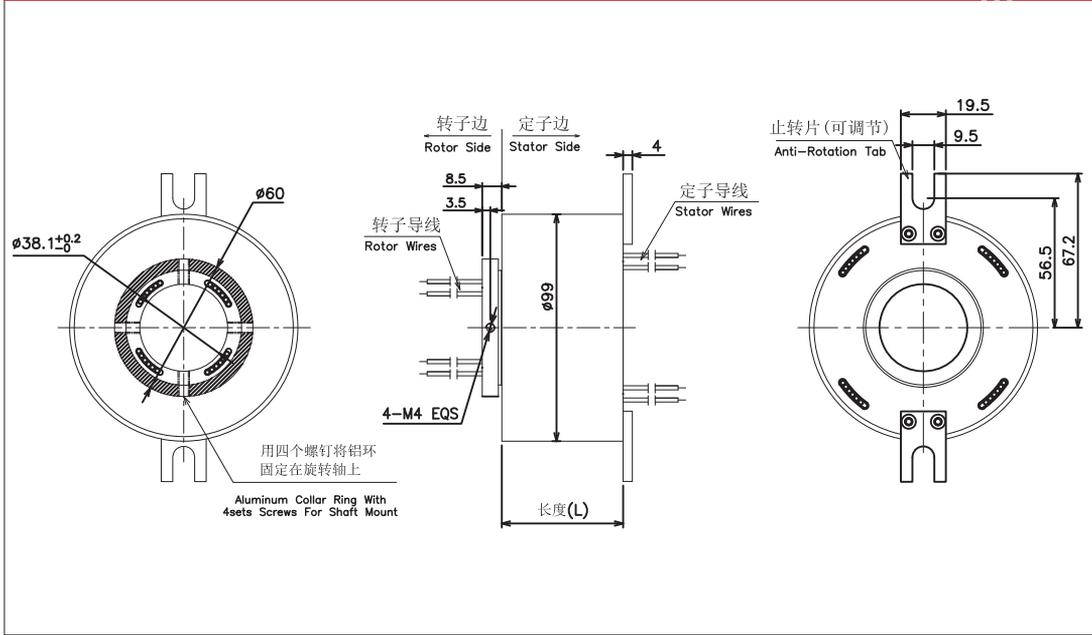
# 空心轴滑环系列

HT3899F系列选型表

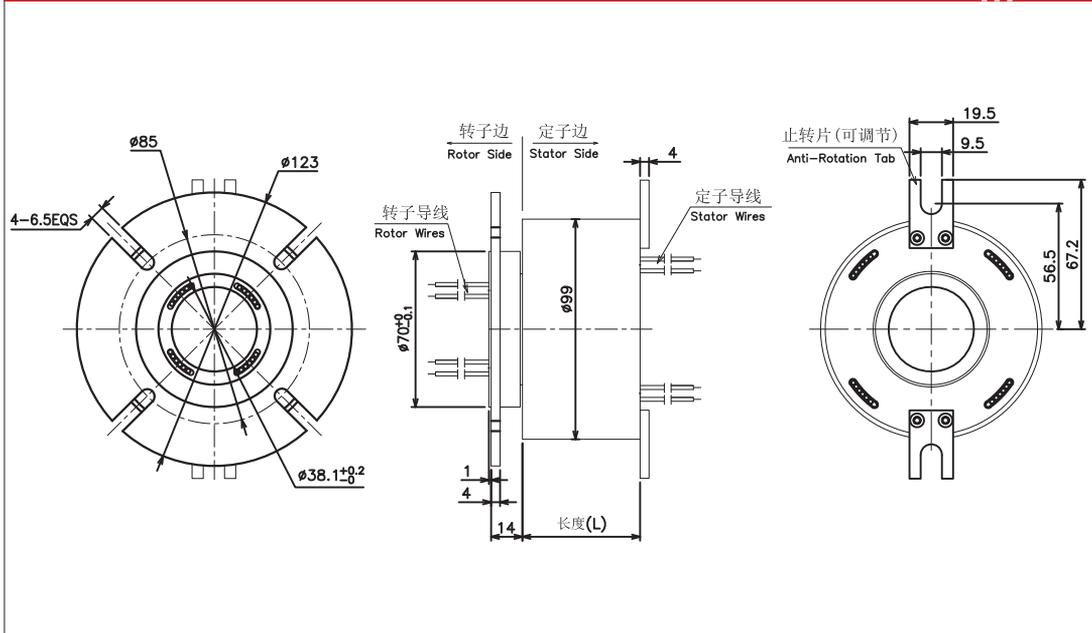
HT3899F 系列 HT3899F Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT3899F-P0605	0	6	0	47.1
HT3899F-P1205	0	12	0	68.7
HT3899F-P1805	0	18	0	68.7
HT3899F-P2405	0	24	0	90.3
HT3899F-P3005	0	30	0	111.9
HT3899F-P3605	0	36	0	133.5
HT3899F-P0610	6	0	0	47.1
HT3899F-P1210	12	0	0	68.7
HT3899F-P1810	18	0	0	90.3
HT3899F-P2410	24	0	0	111.9
HT3899F-P3010	30	0	0	133.5
HT3899F-S09	0	0	9	47.1
HT3899F-S18	0	0	18	68.7
HT3899F-S27	0	0	27	90.3
HT3899F-S36	0	0	36	111.9
HT3899F-P0605-S09	0	6	9	68.7
HT3899F-P0605-S18	0	6	18	90.3
HT3899F-P0605-S27	0	6	27	111.9
HT3899F-P1205-S09	0	12	9	90.3
HT3899F-P1205-S18	0	12	18	111.9
HT3899F-P1205-S27	0	12	27	133.5
HT3899F-P1805-S09	0	18	9	111.9
HT3899F-P1805-S18	0	18	18	133.5
HT3899F-P2405-S09	0	24	9	111.9
HT3899F-P2405-S18	0	24	18	133.5
HT3899F-P3005-S09	0	30	9	133.5
HT3899F-P0610-S09	6	0	9	68.7
HT3899F-P0610-S18	6	0	18	90.3
HT3899F-P0610-S27	6	0	27	111.9
HT3899F-P1210-S09	12	0	9	90.3
HT3899F-P1210-S18	12	0	18	111.9
HT3899F-P1810-S09	18	0	9	111.9
HT3899F-P1810-S18	18	0	18	133.5
HT3899F-P2410-S09	24	0	9	133.5

# 空心轴滑环系列

HT3899 系列外形图 HT3899 Series Dimensions



HT3899F 系列外形图 HT3899F Series Dimensions



# 空心轴滑环系列

HT50119系列选型表

HT50119 系列 HT50119 Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT50119-P0605	0	6	0	52.1
HT50119-P1205	0	12	0	73.7
HT50119-P1805	0	18	0	73.7
HT50119-P2405	0	24	0	95.3
HT50119-P3005	0	30	0	116.9
HT50119-P3605	0	36	0	138.5
HT50119-P0610	6	0	0	52.1
HT50119-P1210	12	0	0	73.7
HT50119-P1810	18	0	0	95.3
HT50119-P2410	24	0	0	116.9
HT50119-P3010	30	0	0	138.5
HT50119-S09	0	0	9	52.1
HT50119-S18	0	0	18	73.7
HT50119-S27	0	0	27	95.3
HT50119-S36	0	0	36	116.9
HT50119-P0605-S09	0	6	9	73.7
HT50119-P0605-S18	0	6	18	95.3
HT50119-P0605-S27	0	6	27	116.9
HT50119-P1205-S09	0	12	9	95.3
HT50119-P1205-S18	0	12	18	116.9
HT50119-P1205-S27	0	12	27	138.5
HT50119-P1805-S09	0	18	9	116.9
HT50119-P1805-S18	0	18	18	138.5
HT50119-P2405-S09	0	24	9	116.9
HT50119-P2405-S18	0	24	18	138.5
HT50119-P3005-S09	0	30	9	138.5
HT50119-P0610-S09	6	0	9	73.7
HT50119-P0610-S18	6	0	18	95.3
HT50119-P0610-S27	6	0	27	116.9
HT50119-P1210-S09	12	0	9	95.3
HT50119-P1210-S18	12	0	18	116.9
HT50119-P1810-S09	18	0	9	116.9
HT50119-P1810-S18	18	0	18	138.5
HT50119-P2410-S09	24	0	9	138.5

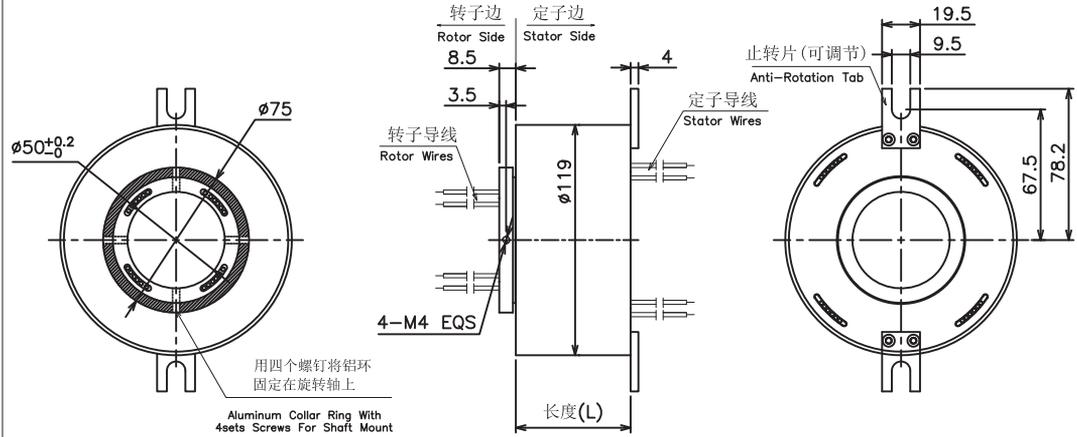
# 空心轴滑环系列

HT50119F系列选型表

HT50119F 系列 HT50119F Series				
型号 Part NO.	线路数 NO.of Circuits			长度L(mm) Length (mm)
	10A	5A	信号Signal	
HT50119F-P0605	0	6	0	52.1
HT50119F-P1205	0	12	0	73.7
HT50119F-P1805	0	18	0	73.7
HT50119F-P2405	0	24	0	95.3
HT50119F-P3005	0	30	0	116.9
HT50119F-P3605	0	36	0	138.5
HT50119F-P0610	6	0	0	52.1
HT50119F-P1210	12	0	0	73.7
HT50119F-P1810	18	0	0	95.3
HT50119F-P2410	24	0	0	116.9
HT50119F-P3010	30	0	0	138.5
HT50119F-S09	0	0	9	52.1
HT50119F-S18	0	0	18	73.7
HT50119F-S27	0	0	27	95.3
HT50119F-S36	0	0	36	116.9
HT50119F-P0605-S09	0	6	9	73.7
HT50119F-P0605-S18	0	6	18	95.3
HT50119F-P0605-S27	0	6	27	116.9
HT50119F-P1205-S09	0	12	9	95.3
HT50119F-P1205-S18	0	12	18	116.9
HT50119F-P1205-S27	0	12	27	138.5
HT50119F-P1805-S09	0	18	9	116.9
HT50119F-P1805-S18	0	18	18	138.5
HT50119F-P2405-S09	0	24	9	116.9
HT50119F-P2405-S18	0	24	18	138.5
HT50119F-P3005-S09	0	30	9	138.5
HT50119F-P0610-S09	6	0	9	73.7
HT50119F-P0610-S18	6	0	18	95.3
HT50119F-P0610-S27	6	0	27	116.9
HT50119F-P1210-S09	12	0	9	95.3
HT50119F-P1210-S18	12	0	18	116.9
HT50119F-P1810-S09	18	0	9	116.9
HT50119F-P1810-S18	18	0	18	138.5
HT50119F-P2410-S09	24	0	9	138.5

# 空心轴滑环系列

HT50119 系列外形图 HT50119 Series Dimensions



HT50119F 系列外形图 HT50119F Series Dimensions

