SRM微距型滑环

SRM Miniature Slip Ring

特点 Features

- 完全满足360度无限制旋转的图像、视频、高清信号，控制等各种功率混合传输

  Continuous transmission of image, video, HD signal, control under 360° freely rotation.
- 低磨损、免维护、寿命长

  Low wear, maintenance–free, long lifetime
- 低扭矩、低损耗、低电气噪声

  Low torque, smooth rotation
- 动态电阻变化值极低

  Electrical Noise≤0.01Ω
- 体积小，结构紧凑
  Compact construction

可选项 Options

- 路数 Number of Circuits
- 外壳材料 Housing material
- 更高转数 Higher operating speed
- 导线长度 Cable length
- 端子接插件 Connectors
- 专用导线 Special cables
- 工作温度 Operating temperature

典型应用 Typical Applications

- 高清、红外安防监控设备

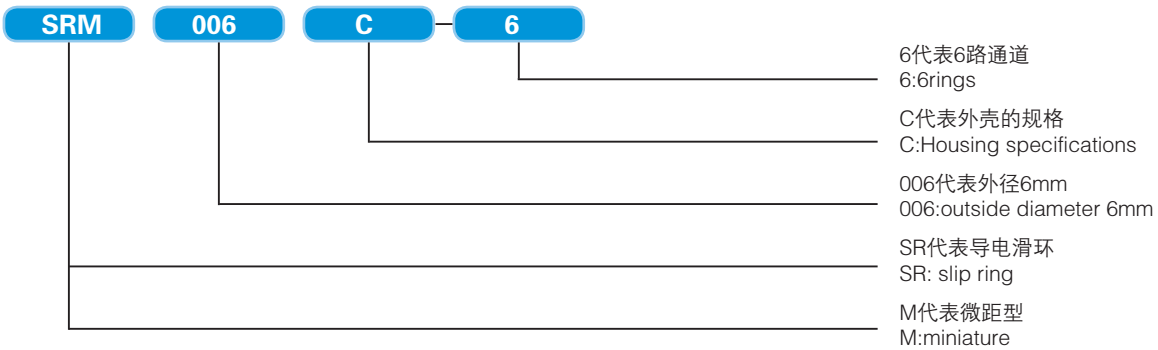
  HD and infrared control CCTV equipment for security
- 惯性导航系统、军民警用飞行吊舱

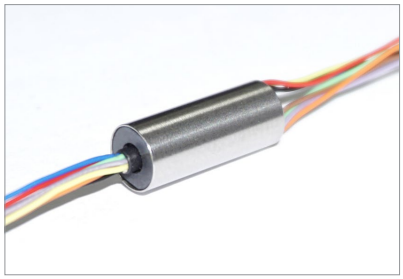
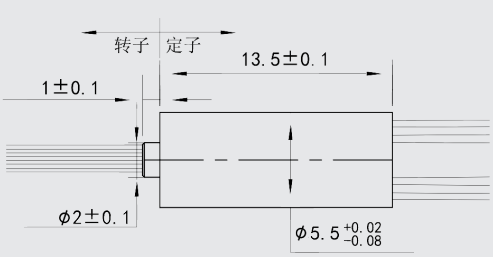
  Inertial navigation system and military flight pods
- 医疗检测、仪器仪表设备

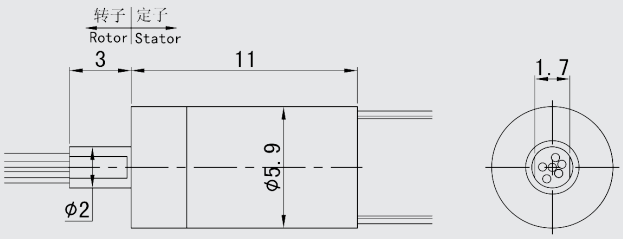
  Medical detecting equipment
- 机器人的操作控制系统、手持云台

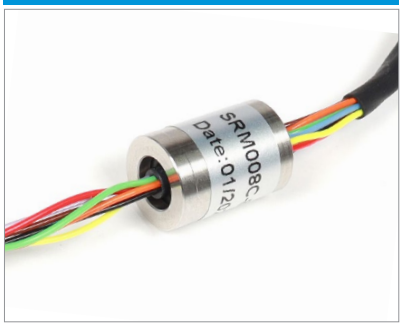
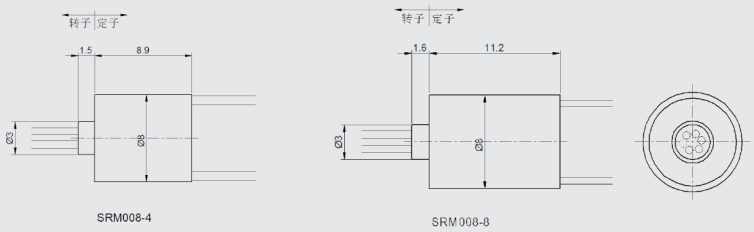
  Robotic operation control system,Gimbal Handheld

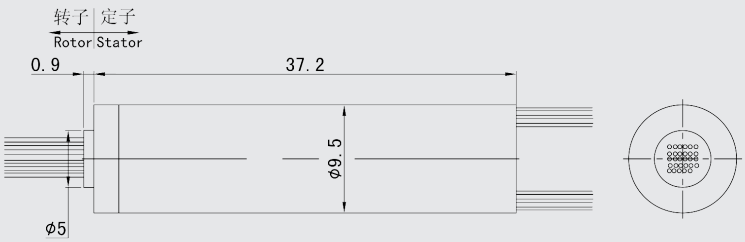
型号选用说明 Model explanation

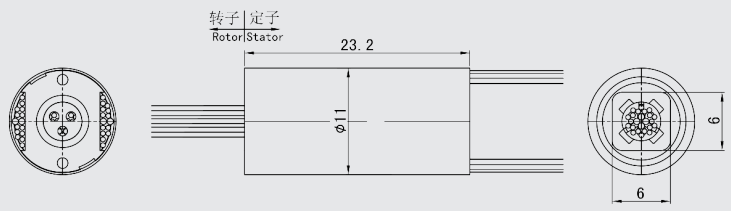


型号 TYPE	外形尺寸 OUTLINE DIMENSION 单位(UNIT) mm
	
SRM005–8	壳体材料: 不锈钢 Housing Material: Stainless Steel

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位(UNIT) mm
	
SRM006C–6	壳体材料: 不锈钢　Housing Material: Stainless Steel

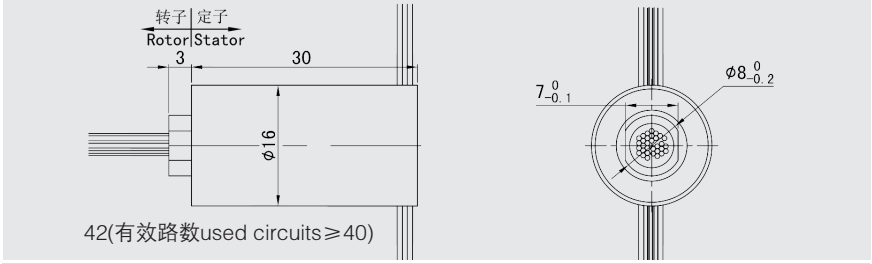
型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位UNIT (mm)
	
SRM008C–4/8	壳体材料: 工程塑料　Housing Material: Engineering Plastic

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位UNIT (mm)
	
SRM009C–36	壳体材料: 不锈钢　Housing Material: Stainless Steel

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位UNIT (mm)
	
SRM011C–24	壳体材料: 不锈钢　Housing Material: Stainless Steel

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位UNIT (mm)



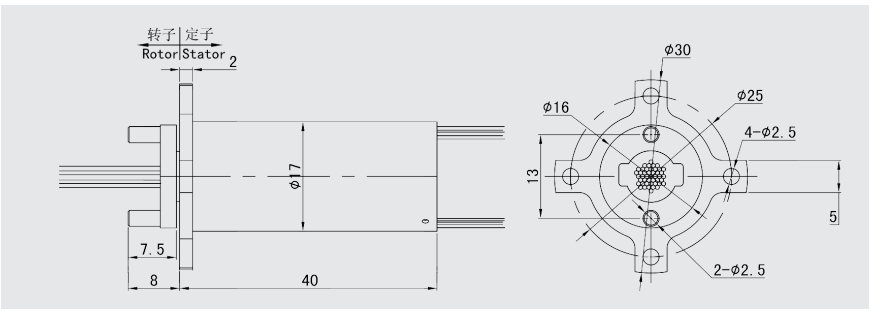


SRM016C–42

壳体材料: 铝合金　Housing Material: Aluminium Alloy

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位UNIT (mm)



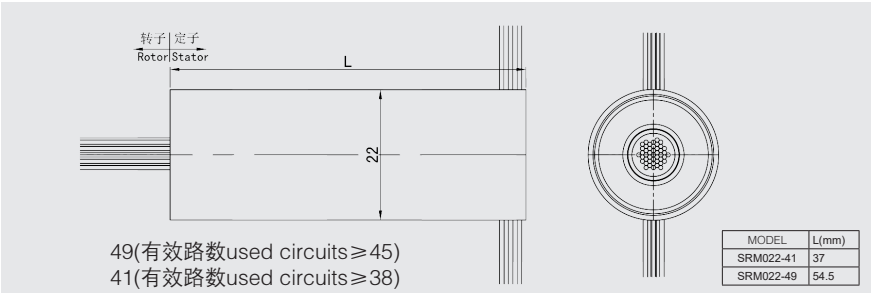


SRM017–45

壳体材料: 铝合金　Housing Material: Aluminium Alloy

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位UNIT (mm)





SRM022C

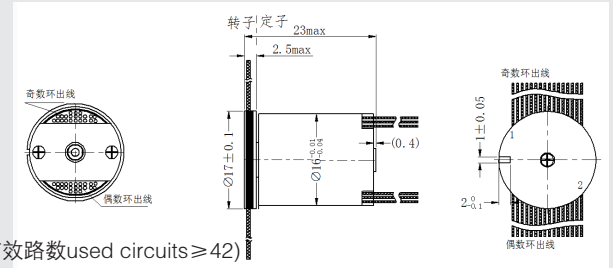
壳体材料: 铝合金　Housing Material: Aluminium Alloy

电气技术指标 Electrical data

参数 Specification	数值　Values
额定电流Rated Current	1A/路 1A/ring
额定电压 Rated Voltage	110VAC / VDC
导线规格Lead Size	AWG32 镀银铁氟龙绝缘 AWG32, color coded, PTFE insulated, silver plated copper
导线长度Lead Length	250mm或根据客户要求提供 250mm (or as request)
绝缘体强度Dielectric Strength	300VAC@50Hz，60S
绝缘电阻Insulation Resistance	100MΩ/300VDC
动态电阻变化值 Electrical Noise	≤10MΩ

机械技术指标 Mechanical data

参数　Specification	数值　Values
额定转速 Rated Speed	0~60rpm
工作温度 Temperature Range	–20℃ ~ +80℃
工作湿度 Operating Humidity	60%RH 或更高 60%RH or higher
接触材料 Contact Material	贵金属 Precious Metals

型号 TYPE	外形尺寸 OUTLINE DIMENSION　单位(UNIT) mm
	
SRM016–45	45(有效路数used circuits≥42) 壳体材料: 不锈钢　Housing Material: Stainless Steel

电气技术指标 Electrical data

参数 Specification	数值　Values
额定电流Rated Current	0.5A/路 0.5A/ring
导线规格Lead Size	AWG30 镀银铁氟龙绝缘 AWG30, color coded, PTFE insulated, silver plated copper
导线长度Lead Length	250mm或根据客户要求提供 250mm (or as request)
绝缘体强度Dielectric Strength	300VAC@50Hz,60s（15℃~35℃，相对湿度≤50%）
绝缘电阻Insulation Resistance	250M/250V/DC/(15℃~35℃，相对湿度：20% ~ 50%)
动态电阻变化值 Electrical Noise	≤20MΩ
摩擦力矩 Friction Torque	≤0.5N・cm

机械技术指标 Mechanical data

参数　Specification	数值　Values
额定转速 Rated Speed	0~60rpm
工作温度 Temperature Range	–55℃ ~ +80℃
工作湿度 Operating Humidity	60%RH 或更高 60%RH or higher
接触材料 Contact Material	贵金属 Precious Metals