variables/V-color

Slip Ring | 12 circuits | SVTS A 06-S-X-00/12

This series can transfer up to 12 electrical signals besides one RF coaxial channel from a stationary to a rotating structure. Said channel can transfer up to 3 Gbps and 3 GHz.

Feature

	SVTS A 06-S-X-00/12
Circuits	12 x 2A

	SVTS A 06-S-X-00/12
Outside Diameter	22.00 mm mm
Overall Length (L)	28.00 mm mm
Protection rating	IP 51
Data Transfert	RF
Mounting	Flange / Capsule

Mechanical features

Nominal speed	0-250 rpm
Temperature range	-20°C to +80°C (-40°C as option)
Contact	gold-gold (alloy)
Bearings	Miniature high-precision stainless steel ball bearings
Connector	-
Mounting	ABS

Electrical features

Voltage	240 VDC/VAC
Cables	Silver plated / PTFE insulated / colour coded
Cables length	250 mm standard (other length on request)
Dielectric voltage strength	500VAC @ 60Hz @ 60 sec

Insulation resistance	>500MOhm/500VDC
Dynamic contact resistance	10mOhm @ 6VDC and 500mA (@ 5rpm)
Expected lifetime	10^7 revolutions (depending on speed, environmetal conditions and size)

Notice : The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

Advantages

- Ideal for video, high frequency signals
- High data rate
- Gold alloy rings and brushes
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

Benefits

- Integrated RF coaxial connection
- Optimal signal transmission (gold-gold technology)
- Combinable with fluidic rotary joints
- Cost-effective

Customisations

- Cables

- Materials
- Mechanical design
- Flange