

variables/V-color

Slip Ring | 18 circuits | SVTS A 06-S-X-00/18



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

Circuits

SVTS A 06-S-X-00/18

18 x 2A

SVTS A 06-S-X-00/18

Outside Diameter	22.00 mm mm
Overall Length (L)	38.00 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

>500MΩ/500VDC

Dynamic contact resistance

10mΩ @ 6VDC and 500mA (@ 5rpm)

Expected lifetime

10⁷ revolutions (depending on speed, environmental 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



p e s

product
engineering
services

expertise in connectivity