# Slip Ring | 7 circuits | SVTS A 03-S-X-00/06-E1G



Slip ring specially suited to transmit critical signals, such as hi frequency and data rate, low current and voltages (strain gauges, thermocouples, measuring equipment, etc.) and offering a optionnal fieldbus or Ethernet channel (EtherCAT, Profinet, Profibus, etc.).



#### SVTS A 03-S-X-00/06-E1G

Circuits 6 x 2A

Circuits 1000 Base TX 1

Outside Diameter 22.00 mm mm Overall Length (L) 33.40 mm mm

**Protection rating** IP 51

**Data Transfert** <=100Mbit/s, <=1Gbit/s

**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<sup>7</sup> 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



#### Benefits

- Option: 100 Base-TX or 1000 Base-T channel with RJ45 plug
- High data rate
- Gold alloy rings and brushes
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS
- Optimal signal transmission (gold-gold technology)
- Cost-effective

## **Customisations**

Cables

- Materials
- Mechanical design
- Flange



# expertise in connectivity