## Slip Ring | 12 circuits | SVTS A 01-U-X-00/12



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.)



SVTS A 01-U-X-00/12

Circuits 12 x 1A

#### SVTS A 01-U-X-00/12

Outside Diameter 12.50 mm mm Overall Length (L) 27.00 mm mm

**Protection rating** IP 65

**Data Transfert** <=100Mbit/s **Mounting** Flange / Capsule



### **Mechanical features**

**Nominal speed** 0-250 rpm

**Temperature** 

range

 $-20^{\circ}$ C to  $+80^{\circ}$ C ( $-40^{\circ}$ C as option)

**Contact** gold-gold (alloy)

Bearings Miniature high-precision stainless steel ball

bearings

Connector -

**Mounting** Al



## **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

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



#### Renefits

- Optimal signal transmission (gold-gold technology)
- Cost-effective

## **Customisations**

Cables

- Materials
- Mechanical design
- Flange



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