

variables/V-color

## Slip Ring | 24 circuits | SVTS A 06-S-X-00/24



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-00/24**

24 x 2A

## SVTS A 06-S-X-00/24

|                           |                  |
|---------------------------|------------------|
| <b>Outside Diameter</b>   | 22.00 mm mm      |
| <b>Overall Length (L)</b> | 43.00 mm mm      |
| <b>Protection rating</b>  | IP 51            |
| <b>Data Transfert</b>     | RF               |
| <b>Mounting</b>           | Flange / Capsule |



### Mechanical features

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



### Electrical features

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

**Insulation resistance**

>500MΩ/500VDC

**Dynamic contact resistance**

10mΩ @ 6VDC and 500mA (@ 5rpm)

**Expected lifetime**

10<sup>7</sup> 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



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**expertise in connectivity**