



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.)

## Feature

SVTS A 01-S-X-00/18	
Circuits	18 x 1A
Outside Diameter	12.40 mm mm
Overall Length (L)	23.00 mm mm
Protection rating	IP 51
Data Transfert	<=100Mbit/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	>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

Combinable with fluidic rotary joints and FORJ

Compliant to CE and ROHS

## Benefits

Optimal signal transmission (gold-gold technology)

Cost-effective

## Customisations

- Cables
- Materials
- Mechanical design

- Flange



**pes**

product  
engineering  
services

Zoning de la Rivière, 65  
7330 Saint-Ghislain (Belgium)

T : +32 (0)65 76 40 40  
E : [service@pes-sa.com](mailto:service@pes-sa.com)