



The SVTS A 01-S-X-00/03 is a miniature slip ring with 3 circuits rated at 1 A, an outer diameter of only 12.4 mm and IP51 protection. Its compact design and gold-to-gold contacts support reliable transmission of signals and low currents in equipment where installation space is limited.

 Feature

SVTS A 01-S-X-00/03	
Circuits	3 x 1A
Outside Diameter	12.40 mm mm
Overall Length (L)	14.00 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	>500MOhm/500VDC
Dynamic contact resistance	10mOhm @ 6VDC and 500mA (@ 5rpm)
Expected lifetime	10 ⁷ 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

- Only 12 mm outer diameter
- 6, 12 or 18 circuits rated at 1 to 2 A
- Gold-gold contacts for low-noise signal transmission
- Nominal speed up to 500 rpm
- IP51 or IP65 protection depending on configuration
- Expected lifetime up to 10⁸ revolutions depending on operating conditions
- Can be combined with a fluidic rotary joint or FORJ
- Compliant to CE and RoHS



Benefits

- Fits into rotating axes where very little installation space is available
- Allows up to 18 electrical connections to be transmitted without multiplying rotary interfaces
- Preserves measurement and control signal quality during continuous rotation
- Combines multiple electrical connections within a miniature slip ring

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