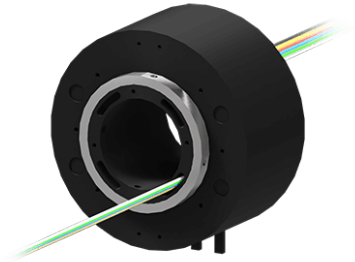

Slip ring designed for power and control-command signals with thru-bore for shaft mounting or other applications. High data rate up to 100 Mbits/s.

Feature

	SVTS C 01-S-A-00/03
Circuits	3 x 2A
Outside Diameter	17.00 mm mm
Inside Diameter	3.00 mm mm
Overall Length (L)	21.00 mm mm
Protection rating	IP 51
Data Transfert	<=100Mbit/s
Mounting	Thru-bore 3mm

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, 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 electrical power and signal transmission
- Through hole 3 t mm
- High data rate
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

Benefits

- Transmission of electric power/signals and fieldbuses in one unit
- Mountable on the shaft mitigating the need of interface parts
- Combinable with fluidic rotary joints and FORJ
- Cost-effective

Customisations

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