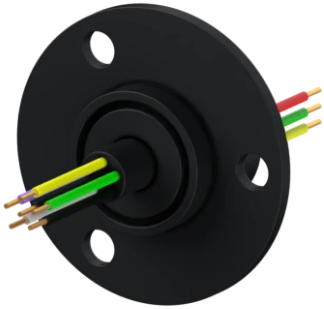

Slip ring specially suited to transmit critical signals, such as hi frequency and data rate, low current and voltages (strain gauges, thermocouples, measuring equipment, etc.) and offering a optionnal fieldbus or Ethernet channel (EtherCAT, Profinet, Profibus, etc.).

Feature

	SVTS A 03-S-X-00/03-E1G
Circuits	3 x 2A
Circuits 1000 Base TX	1
Outside Diameter	22.00 mm mm
Overall Length (L)	29.50 mm mm
Protection rating	IP 51
Data Transfert	<=100Mbit/s, <=1Gbit/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, 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

- Option : 100 Base-TX or 1000 Base-T channel with RJ45 plug
- High data rate
- Gold alloy rings and brushes
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

Benefits

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

Customisations

pes product engineering services
Zoning de la Rivièrette, 65
7330 Saint-Ghislain (Belgium)
T : +32 (0)65 76 40 40
E : service@pes-sa.com