Slip Ring | 1 circuit | SVTS A 03-S-X-00/00-E1M



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.).



SVTS A 03-S-X-00/00-E1M

Circuits 100 Base TX

Outside Diameter 22.00 mm mm Overall Length (L) 19.00 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 $+80^{\circ}$ 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

10⁷ 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



Benefits

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

Customisations

Cables

- Materials
- Mechanical design
- Flange



expertise in connectivity