



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 02-S-X-00/24 | |
|---------------------|------------------|
| Circuits | 24 x 1A |
| Outside Diameter | 15.50 mm mm |
| Overall Length (L) | 34.00 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

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



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