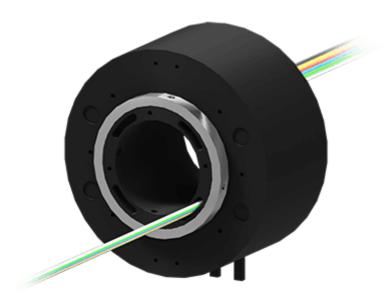
Slip Ring | 12 circuits | SVTS C 02-S-A-00/12



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.



SVTS C 02-S-A-00/12

Circuits 12 x 2A

SVTS C 02-S-A-00/12

Outside Diameter 22.00 mm mm Inside Diameter 4.50 mm mm Overall Length (L) 26.60 mm mm

Protection rating IP 51

Data Transfert <=100Mbit/s

Mounting Thru-bore 4,5mm



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

- Ideal for electrical power and signal transmission
- Through hole 4.5 mm
- High data rate
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

- 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

- Cables
- Materials
- Mechanical design
- Flange



expertise in connectivity