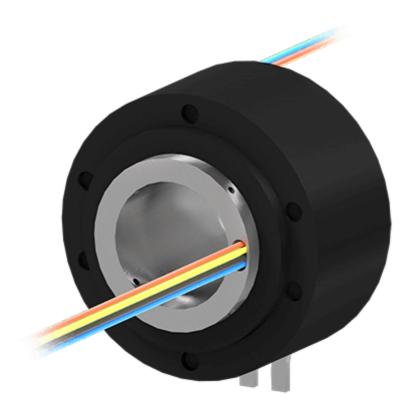
Slip Ring | 54 circuits | SVTS C 09-S-A-42/12



Slip ring for transmission of electrical power and/or electrical signals with through hole for shaft or rotary union.



SVTS C 09-S-A-42/12

Circuits 12 x 5A, 42 x 20A

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Outside Diameter 180.00 mm mm Inside Diameter 80.00 mm mm Overall Length (L) 287.00 mm mm

Protection rating IP 51

Data Transfert <=100Mbit/s

Mounting Thru-bore 80mm



Mechanical features

Nominal speed >400 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

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 80 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