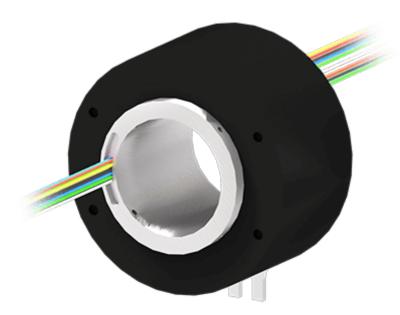
## Slip Ring | 54 circuits | SVTS C 09-U-A-42/12



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



SVTS C 09-U-A-42/12

**Circuits** 12 x 5A, 42 x 20A

#### SVTS C 09-U-A-42/12

Outside Diameter 180.00 mm mm Inside Diameter 80.00 mm mm Overall Length (L) 318.50 mm mm

**Protection rating** IP 65

**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** 

10<sup>7</sup> 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



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