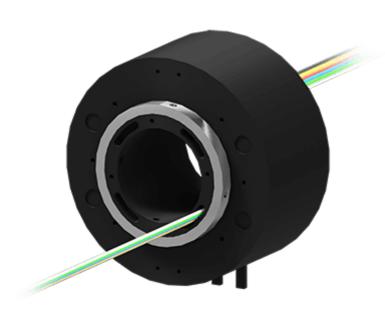
## Slip Ring | 12 circuits | SVTS C 05-S-A-00/12



Slip ring for transmission of electrical power and/or electrical signals with through hole for shaft or rotary union. E1M/E1G option comes with an Ethernet channel (100BASE-TX or 1000BASE-T) over a Cat5e cable and 0P1/0P2 option offers an integrated pneumatic rotary joints and 6 to 24 power

circuits.



SVTS C 05-S-A-00/12

Circuits 12 x 2A

Outside Diameter 99.00 mm mm Inside Diameter 38.10 mm mm Overall Length (L) 45.20 mm mm

**Protection rating** IP 51

**Data Transfert** <=100Mbit/s

Mounting Thru-bore 38.1mm



## **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.





- Ideal for electrical power and signal transmission
- Through hole 38 mm
- Integrated specific network Cat5e cable
- Integrated pneumatic rotary joint
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

- Transmission of electric power/signals and fieldbuses in one unit
- Mountable directly on the shaft avoiding other mounting parts
- Available options that mitigate integration costs
- Combinable with fluidic rotary joints and FORJ
- Good quality/price ratio

## **Customisations**

- Cables
- Materials
- Mechanical design
- Flange



## expertise in connectivity