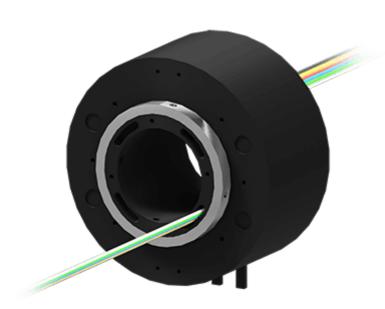
Slip Ring | 0 circuits | SVTS C 05-U-A-00/00-XXX-E1G



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-U-A-00/00-XXX-E1G

Outside Diameter 99.00 mm mm Inside Diameter 38.10 mm mm Overall Length (L) 89.20 mm mm

Protection rating IP 65

Data Transfert <=100Mbit/s, <=1Gbit/s

Mounting Thru-bore 38.1mm



Mechanical features

Nominal speed >400 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.





- 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