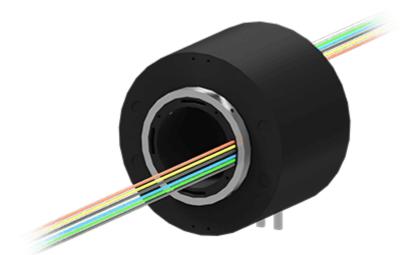
Slip Ring | 42 circuits | SVTS C 07-U-A-42/00



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



SVTS C 07-U-A-42/00

Circuits 42 x 20A

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Outside Diameter 135.00 mm mm Inside Diameter 60.00 mm mm Overall Length (L) 260.50 mm mm

Protection rating IP 65

Data Transfert <=100Mbit/s

Mounting Thru-bore 60mm



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 60 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