Slip Ring | 12 circuits | SVTS D 01-U-A-00/12



Slip ring for transmission of electrical power and/or electrical signals for demanding conditions.



Feature

SVTS D 01-U-A-00/12

Circuits 12 x 5A

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Outside Diameter 75.00 mm mm Overall Length (L) 77.00 mm mm

Protection rating IP 65

Data Transfert <=100Mbit/s **Mounting** Flange / Capsule



Mechanical features

Nominal speed 250-400 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 Stainless steel



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



Renefits

- High protection degree
- High bit rate up to 100 Mbits/s
- Rugged for harsh environment
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

- Robust mechanical construction for long lifetime
- Transmission of electric power/signals and fieldbuses in one unit
- Designed for low maintenance

Customisations

- Cables
- Materials
- Mechanical design
- Flange



expertise in connectivity