

variables/V-color

Slip Ring | 54 circuits | SVTS D 02-U-A-42/12



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



Feature

Circuits

SVTS D 02-U-A-42/12

12 x 2A, 42 x 15A

SVTS D 02-U-A-42/12

| | |
|---------------------------|------------------|
| Outside Diameter | 87.00 mm mm |
| Overall Length (L) | 225.00 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 | Al |



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

>500MΩ/500VDC

Dynamic contact resistance

10mΩ @ 6VDC and 500mA (@ 5rpm)

Expected lifetime

10⁷ revolutions (depending on speed, environmental 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

- 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



Benefits

- 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