

variables/V-color

Slip Ring | 5 circuits | SVTS B 03-U-A-03/02



Slip ring specially suited to transmit electrical power and signals, fastons connectors for easy maintenance and a best thermocouple reading.



Feature

SVTS B 03-U-A-03/02

Circuits 3x 2A, 2 x 20A

Outside Diameter 32.00 mm mm

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Overall Length (L)	28.00 mm mm
Protection rating	IP 65
Data Transfert	$\leq 100\text{Mbit/s}$
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	$> 500\text{MOhm}/500\text{VDC}$

Dynamic contact resistance	10mOhm @ 6VDC and 500mA (@ 5rpm)
Expected lifetime	10 ⁷ 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



Benefits

- Suitable for power and signals transmission
- IP65 version
- Faston type connectors
- Low resistive torque
- Long lifespan and reliable
- CE et ROHS compliance
- Electrical power & signals in one unit
- Easy Connection (Faston connectors) for mitigated replacement time
- Cost-effective

Customisations

- Cables
- Materials
- Mechanical design
- Flange



expertise in connectivity