



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

## Feature

SVTS D 02-U-A-42/00	
Circuits	42 x 15A
Outside Diameter	87.00 mm mm
Overall Length (L)	201.00 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	10 <sup>7</sup> 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



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