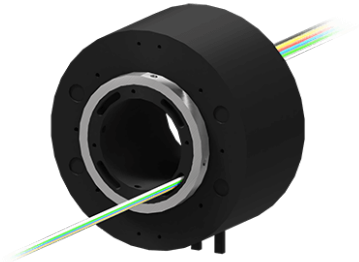

Slip ring for transmission of electrical power and/or electrical signals with through hole for shaft or rotary union.

## Feature

| | SVTS C 06-T-A-18/24 |
|---|---|
| Circuits | 24 x 5A, 18 x 20A |
| Outside Diameter | 120.00 mm mm |
| Inside Diameter | 50.00 mm mm |
| Overall Length (L) | 180.50 mm mm |
| Protection rating | IP 65 |
| Data Transfert | <=100Mbit/s |
| Mounting | Thru-bore 50mm |

## 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 | $10^7$ 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

- Ideal for electrical power and signal transmission
- Through hole 50 mm
- High data rate
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS

## Benefits

- 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

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