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Slip ring for transmission of electrical power and/or electrical signals with through hole for shaft or rotary union. E1M/E1G option comes with an Ethernet channel (100BASE-TX or 1000BASE-T) over a Cat5e cable and 0P1/0P2 option offers an integrated pneumatic rotary joints and 6 to 24 power circuits.

Feature

| | SVTS C 05-X-A-12/24-0P1 |
|--------------------|-------------------------|
| Circuits | 12 x 1A, 24 x 2A |
| Outside Diameter | 99.00 mm mm |
| Inside Diameter | 6.00 mm mm |
| Overall Length (L) | 143.50 mm mm |
| Protection rating | IP 65 |
| Data Transfert | <=100Mbit/s |
| Mounting | Thru-bore 6mm |

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



| ldeal for electrical power and signal transmission | Transmiss fieldbuse |
|--|------------------------|
| Through hole 38 mm | Mountab mounting |
| Integrated specific network Cat5e cable | Available |
| Integrated pneumatic rotary joint | costs |
| Low friction torque | Combine |
| High lifetime and reliability | Good au |

Transmission of electric power/signals and fieldbuses in one unit

Mountable directly on the shaft avoiding other mounting parts

Available options that mitigate integration costs

Combinable with fluidic rotary joints and FORJ

Good quality/price ratio

Customisations

Compliant to CE and ROHS

- Cables
- Materials

- Mechanical design
- Flange

