

variables/V-color

Slip Ring | 48 circuits | SVTS C 05-X-A-00/48-0P1

Image of: [commerce_product:title]

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-00/48-0P1
Circuits	48 x 2A
Outside Diameter	99.00 mm mm
Inside Diameter	6.00 mm mm

SVTS C 05-X-A-00/48-0P1

Overall Length (L) 143.50 mm mm

Protection rating IP 65

Data Transfert $\leq 100\text{Mbit/s}$

Mounting Thru-bore 6mm



Mechanical features

Nominal speed $>400\text{ rpm}$

Temperature range -20°C to $+80^{\circ}\text{C}$ (-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 $>500\text{MOhm}/500\text{VDC}$

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

- Ideal for electrical power and signal transmission
- Through hole 38 mm
- Integrated specific network Cat5e cable
- Integrated pneumatic rotary joint
- Low friction torque
- High lifetime and reliability
- Compliant to CE and ROHS



Benefits

- 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

- Cables

- Materials
- Mechanical design
- Flange



expertise in connectivity