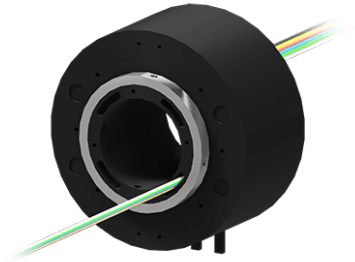

Slip ring for transmission of electrical power and/or electrical signals with through hole for shaft or rotary union. E1M/E1G option comes with an Ethernet channel (100BASE-TX or 1000BASE-T) over a Cat5e cable and 0P1/0P2 option offers an integrated pneumatic rotary joints and 6 to 24 power circuits.

Feature

	SVTS C 05-S-A-00/00-XXX-E1G
Circuits 1000 Base TX	1
Outside Diameter	99.00 mm mm
Inside Diameter	38.10 mm mm
Overall Length (L)	69.20 mm mm
Protection rating	IP 51
Data Transfert	<=100Mbit/s, <=1Gbit/s
Mounting	Thru-bore 38.1mm

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 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