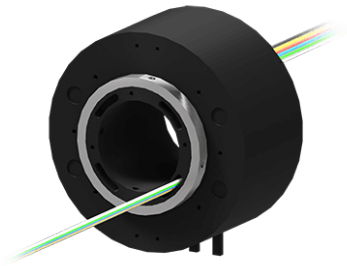

The SVTS C 05-T-A-00/12 is a through-bore slip ring with a 38.1 mm bore and 12 signal circuits rated at 2 A, featuring a 99 mm outer diameter and IP54 protection. It concentrates multiple signal channels around a large central passage, reducing the number of interfaces required on the rotating axis, with increased protection against dust and water splashes.

Feature

	SVTS C 05-T-A-00/12
Circuits	12 x 2A
Outside Diameter	99.00 mm mm
Inside Diameter	38.10 mm mm
Overall Length (L)	45.20 mm mm
Protection rating	IP 54
Data Transfert	<=100Mbit/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

- 38.1 mm through-bore
- Up to 48 circuits depending on configuration
- Power circuits rated up to 15 A
- 2 A signal circuits
- Combined power and signal configurations available
- Multipoint contact technology
- Low electrical contact resistance
- Reduced wear and lubrication-free operation
- Compliant to CE and RoHS

Benefits

- Maintains a 38.1 mm central passage for larger shafts, cables or lines
- Allows numerous power and signal circuits to be combined around the mechanical axis
- Meets the needs of machines where electrical transmission must coexist with substantial through-axis mechanical elements
- Provides an adaptable architecture that can incorporate network or pneumatic functions according to machine requirements

Customisations

- Cables
- Materials
- Mechanical design
- Flange