

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

Feature

	SVTS C 10-S-A-42/00
Circuits	42 x 20A
Outside Diameter	190.00 mm mm
Inside Diameter	90.00 mm mm
Overall Length (L)	257.00 mm mm
Protection rating	IP 51
Data Transfert	<=100Mbit/s
Mounting	Thru-bore 90mm

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 90 mm
High data rate
Low friction torque
High lifetime and reliability

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



Compliant to CE and ROHS

product engineering services

Zoning de la Rivièrette, 65
7330 Saint-Ghislain (Belgium) T:+32 (0)65 76 40 40 E:service@pes-sa.com