

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 OP1/OP2 option offers an integrated pneumatic rotary joints and 6 to 24 power circuits.

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Feature

SVTS C 05-U-A-12/00-...-E1G	
Circuits 1000 Base TX	1
Outside Diameter	99.00 mm mm
Inside Diameter	38.10 mm mm
Overall Length (L)	137.50 mm mm
Protection rating	IP 65
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	Al

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	>500MΩ/500VDC
Dynamic contact resistance	10mΩ @ 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



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