

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.

 Feature

| SVTS C 05-S-A-00/00-...-E1G |                        |
|-----------------------------|------------------------|
| Circuits 1000 Base TX       | 1                      |
| Outside Diameter            | 99.00 mm mm            |
| Inside Diameter             | 38.10 mm mm            |
| Overall Length (L)          | 69.00 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       | >500MΩ/500VDC   |
| Dynamic contact resistance  | 10mΩ @ 6VDC and 500mA (@ 5rpm)  |
| Expected lifetime           | 10 <sup>7</sup> 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



product  
engineering  
services

Zoning de la Rivière, 65  
7330 Saint-Ghislain (Belgium)

T : +32 (0)65 76 40 40  
E : [service@pes-sa.com](mailto:service@pes-sa.com)