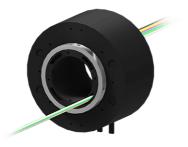
#### SLIP RING | 12 CIRCUITS | SVTS C 05-U-A-12/00-XXX-0P1



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-U-A-12/00-XXX-0P1 |
|--------------------|-----------------------------|
| Circuits           | 12 x 15A                    |
| Outside Diameter   | 99.00 mm mm                 |
| Overall Length (L) | 103.00 mm mm                |
| Protection rating  | IP 65                       |
| Data Transfert     | <=100Mbit/s                 |
| Mounting           | Thru-bore 38.1mm            |

# Mechanical features

| Nominal speed     | 0-250 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 <sup>7</sup> 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.





| Ideal for electrical power and signal transmission | Transmission of electric power/signals and fieldbuses in one unit |
|--|---|
| Through hole 38 mm                                 | Mountable directly on the shaft avoiding other mounting parts     |
| Integrated specific network Cat5e cable            |   |
| Integrated pneumatic rotary joint                  | Available options that mitigate integration costs                 |
| Low friction torque                                | Combinable with fluidic rotary joints and FORJ                    |
| High lifetime and reliability                      | Good quality/price ratio  |
| Compliant to CE and ROHS                           |   |

## Customisations

- Cables
- Materials

- Mechanical design
- Flange



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