



**SciTrue**

## SciTrue – – An Expert of Slip Ring

### Precision Slip Ring

#### Description

▲ Precision slip ring adopts casting or injection molding process with compact small size structure, mainly used for transmission of low current and various MF & LF (low Frequency) signals.

▲ The rotor and stator adopt unitary forming structure.

▲ Possible for through central bore.

▲ Max transmission Channels :300 CH

▲ Max transmitting current up to 40A.

▲ Gold to gold contact with.

▲ Adopt multi-points contact form of brush bundle with high anti-vibration and stable transmission, long service life.



#### Features

- ◆ Smaller size
- ◆ Lower rotary torque
- ◆ Easy installing
- ◆ Low signal loss, high reliability
- ◆ Gigabit Ethernet signal transmitting
- ◆ 1080P HD video signal
- ◆ possibly integrated with fiber optic rotary joint
- ◆ widely application fields

#### Typic Application

- ◆ Simulation turntable system
- ◆ Various communication systems
- ◆ Precision Test machines
- ◆ Robot

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#### Operating Parameters

	Items	Normal	Special
Environmental	Enclosure	IP41	IP67
	Operating Temperature	-40°C~+80°C	-60°C~+80 °C 0°C~+150°C
	Operating Humidity	>95%	100%
Electric	Voltage Rating	≤48V	380V
	Current Rating	≤5A	40A
	Dynamic resistance fluctuation	≤0.01Ω	≤0.003Ω
	Insulation Resistance	500MΩ@100VDC	500MΩ@500VDC
	Withstand Voltage	500VAC	1000VAC
Signal	Signal Types	Audio, video , digital, control, bus, current/Voltage and all kinds of differential signals	
	Number of CH	≤40	≤300
	Dynamic resistance fluctuation	≤0.01Ω	≤0.003Ω
Mechanical	Rotary Speed	0~60rpm	3000rpm
	Central Thro. Bore	0	≤12.5mm
	Life (reference)	≥1000 M. R.	≥5000 M.R.
	As difference of product size and application environment, product life is for reference only, Consult to factory.		

#### Optional Specification

- ◆ Outline Dimension
- ◆ Installation dimension and forms
- ◆ Shell material and surface treatment
- ◆ Cable lead fly and specifications
- ◆ Environmental Tests

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