

DHT054-3P-1HD

Slip rings of the DHT054-3P-1HD series are specially design to transmit high-definition(1080P) video signals with power and common signals, and also can be combine with uncompressed high quality video signals with max. 3GHz from a rotary joint.

Features

- ◆ Can be combine with 24 power rings or 48 common signal rings
- ◆ No maintenance
- ◆ Operating smoothly and reliability
- ◆ Extremely low electrical noise
- ◆ Convenient to assembly
- ◆ Light and compact
- ◆ Precious metal contact ensures long life-span

Typical applications

- ◆ Medical equipment
- ◆ VR equipment
- ◆ Electrical test equipment
- ◆ Indexing tables, Cable reels
- ◆ Robotics, rotary sensors, urgent illumination equipment
- ◆ Exhibit / display equipment
- ◆ CCTV pan
- ◆ Laboratory equipment

Options

- ◆ Working speed
- ◆ Rated voltage
- ◆ Rated current
- ◆ No. of rings
- ◆ Connector
- ◆ Flange mounting
- ◆ Housing material
- ◆ Wire length
- ◆ Position of wire outlet, wire length
- ◆ Protection level (dust and water)
- ◆ Operating temperature

Specifications for DHT054-3P-1HD

Frequency Rate	DC-3GHz	Insertion Loss	0.65dB/1GHz Max
Insertion Loss Fluctuation	+/-0.05dB	Return Loss	-18 dB/1GHz Max
Specification	RG-179/U	Max Speed	50RPM
VSWR	≤ 1.3	VSWR Fluctuation	+/-0.05
Impedance	75Ω	Style	Options
Electrical Data		Mechanical Data	
No. of Rings	3rings	Outer Diameter	54mm
Rated Current	10A/ring	Max Speed	250rpm
Lead Size	AWG16# Silver-plated teflon	Working Temperature	-20°C~+80°C
Rated Voltage	0-240VAC/VDC	Working Humidity	60% RH or higher
Dielectric Strength	500VAC@50HZ,60S	Structure Material	Aluminium alloy
Insulation Resistance	500MΩ/500VDC	Contact Material	Precious metals
Electrical Noise	<0.01Ω	IP Rating	IP51
Lead Length	300mm	Torque	0.05N.m+0.01N.m/6 wire

Drawing for Outline Dimension

