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SWIVEL+SLIPRING+FORJ: High Load Mechanical Swivel



Model MS9000

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MS9000 series swivels are designed to provide extremely high load (>5 ton) along the rotational axis between the rotor and the stator. The package houses Princetel's standard **SR221 slipring** and **MJn series FORJ**. The picture on the left shows a 9-ring version slipring and an 8 fiber (4 singlemode + 4 multimode) FORJ. More rings/fiber passes can be accommodated.

Both the fiber optic rotary joint and the slipring are completely hidden inside the package. The strong housing material provides excellent protection. It is ideal for airborne applications such as aerostats. The swivel accommodates the random rotation of the vehicle. It also supports both the cable's weight and the tension caused by uplifting wind.

SPECIFICATIONS

PARAMETERS

- Ring material
- Brush material
- Spring material
- Housing material
- Operating voltage
- Operating current
- Noise level
- Leakage resistance
- Contact resistance
- R variation during rotation
- Wire gauge
- Connector type
- Rotation speed
- IP rating
- Working temperature
- Storage temperature
- Dimensions
- Weight

VALUES

- Gold alloy or coin silver
- Gold alloy or silver graphite
- Gold alloy or beryllium copper
- Aircraft aluminum
- 2,000 V(RMS)
- 10 Amp/ring or higher
- <5 uV
- >10 G Ohms
- <500 milliohms (typical 50-100 milliohms)
- <10 milliohms (typical 1 milliohms)
- 14-6 AWG
- Optional
- 100 rpm
- IP 65
- 20 to 65 C
- 40 to 85 C
- 180mm(body dia)x250mm(flange)x800mm(height)
- ~35 kg (including slipring and FORJ)

CREATE YOUR PART NUMBER

MS9000-(slipring and FORJ part numbers)

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