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**SLIPRING: SRP90 series (Matching FORJs: MJX series)**



Model SRP90-02  
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SRP90 series sliprings are designed to provide very high load (0.5 ton) along the rotational axis between the rotor and the stator. The design is based on "pancake" style ring and brush blocks. They can accept Princetel's **MJX series** and possibly **RPT series** FORJs. The picture on the left shows an 2-ring version with a singlemode single-channel (MJX) FORJ. More rings can be accommodated.

The fiber optic rotary joint is completely hidden inside the package. The strong housing material provides excellent protection. The integrated device is expected to comply with Telcordia's (GR1209 CORE and GR1221 CORE) 500 G shock/impact requirement.

**SPECIFICATIONS**

| PARAMETERS                  | VALUES                                    |
|-----------------------------|---|
| Ring material               | Gold alloy                                |
| Brush material              | Gold alloy                                |
| Spring material             | Beryllium copper                          |
| Housing material            | Stainless steel                           |
| Operating voltage           | 1,000 V(RMS)/2,000 V(optional)            |
| Operating current           | 2-10 Amp/ring                             |
| Noise level                 | <5 uV                                     |
| Leakage resistance          | >10 G Ohms                                |
| Contact resistance          | <500 milliohms (typical 50-100 milliohms) |
| R variation during rotation | <10 milliohms (typical 1 milliohms)       |
| Wire gauge                  | 20 AWG, 0.5 m (standard)                  |
| Connector type              | Optional                                  |
| Rotation speed              | 500 rpm                                   |
| IP rating                   | IP 60                                     |
| Working temperature         | -40 to 65 C                               |
| Storage temperature         | -50 to 85 C                               |
| Dimensions                  | 90 mm (body dia.) x 120 mm                |
| Weight                      | 2.5 kg                                    |

**CREATE YOUR PART NUMBER**

SRP90-n (n=number of rings in two digits minimum: 02=2 rings)

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