

Power Slip ring SR220



Machinery Directive
2006/42 Annex B

The sliding contacts of SR220 Series slip rings are designed to carry electrical signals AC and DC by a rotating platform to a stationary structure and vice versa, or with the same contacts with a galvanic gold plating surface treatment they are also suitable for the transport of analog or digital signals. The main characteristics of the six Series Slip Ring power that the sliding contacts are realized according to a technology in the form of monofilament with different types of surface treatments which give the best mechanical and electrical performance compared to the traditional metal graphite. 1) Of the monofilament point of contact with the rotating ring surface 2)

Contact surface that does not require lubrication, and low contact dynamic resistance (noise). 3) Long service life and low contact force. 4) High compaction of the rotor and stator. 5) High permissible current density and wide dynamic range of low electrical resistivity current job. 6) Very low generation of debris. Wide operating temperature range, good environmental conditions (no oxidation) high scroll speed. The structure is entirely in aluminum Marine Anticorrosive. The product for its ease in construction can be assembled to 'internal modulated' with different sizes of rings and sliding contacts, in such a way as to optimize space and installation time.



GENERAL SPECIFICATIONS

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| Slip ring with variable size |
| - suitable for analog-to-digital, and auxiliary power |
| - maximum operating voltage 690Vac / Vdc. |
| - test voltage 2500 Vac. |
| - intensity max current A continuous loop. |
| - contact resistance brushes / rings <0.5 mhm. |
| - degree of protection IP 66. |
| - maximum operating speed 17.5 rpm |
| - mounting Position Vertical / Horizontal. |
| - operating temperature - 40°C - +60°C |
| - direction of rotation CW / CCW |

STANDARD CONSTRUCTION

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| - slip ring body: Aluminium anticorrosive. Rings slip ring; silver or gold for signals |
| - brushes: power - metal coal with a high content of copper monofilament to beryllium copper with nickel plating treatment |
| - signals: monofilament treatment of browning |
| - mechanics and screws: stainless steel |
| - rotating shaft on ball bearings: sealed and lubricated for life |
| - cable glands for multi-core cables |
| - the rating plate on the basis of the slip ring |