



Slip rings

Reliable power, signal, and data transmission with Kübler.

When it comes to transferring electrical signals, energy, gases, or liquid media from a static to a rotating component, Kübler slip rings offer the optimum solution. High current load capacity, reliable signal and data transmission with high transfer rates, long service life, and ease of handling are some of the essential requirements that Kübler slip rings meet. The Kübler slip ring – made in Germany – is the result of the highest quality awareness and careful selection of materials.

Your application is our priority: We implement modifications and special solutions quickly and easily.

kuebler.com/slip_rings



The intelligent networking of all components is based on the use of smart sensors. Smart Kübler slip rings with integrated sensors are understood to be industry 4.0 enablers. Thanks to condition monitoring and the predictive maintenance associated with this, for example, they ensure greater system availability.
Find out more at:
www.kuebler.com/iiot

Smart slip rings with integrated sensors for intelligent industry 4.0 concepts



Contactless data transmission

- Up to 1000BASE-T Ethernet (1 GBit/s).
- For all common fieldbus systems with Ethernet protocol such as Profinet A, B and C, Powerlink, Bluecom, EtherCAT and Sercos III Ethernet, CAN bus, Profibus, RS422.

FORJ Fibre Optical Rotary Joint, Single- and Multimode

- For wavelengths 1310 / 1550 nm (SM) or 850 / 1300 nm (MM).
- Single- or multi-channel up to 60 paths possible.
- Video transmission up to 8K.

Integrated sensors

- Encoders (incremental or absolute multiturn) with the highest resolution and protection level, all common transmission protocols such as SSI, HTL, TTL, Profibus DP, CANopen, EtherCAT, SAE J1939, and optionally in a SIL2 / SIL3 model.
- Sensors to measure temperature or humidity.

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		Power (load)	Signal (analog/digital)	Pneumatics	Hydraulics	N° of channels max.	∅ Hollow shaft max. in mm	Load max.	Protection max.	Speed max. in min ⁻¹	Temperature range max. in °C [°F]
 Fig. SR060E	Dimension 60 mm compact, slim, low-maintenance, standardized with a wide range of options for 24/7 operation	•	•	–	–	3 load 2 signal	25	240 V 20 A	IP64	500	0 ... +75 [+32 ... +167]
 Fig. SR060U	Dimension 60 mm, with UL approval compact, slim, low-maintenance, standardized with a wide range of options for 24/7 operation	•	•	–	–	3 load 2 signal	25	240 V 16 A	IP64	500	0 ... +75 [+32 ... +113]
 Fig. SR085	Dimension 85 mm modular, wide range of variants, extreme service life, especially for 24/7 operation	•	•	•	•	max. 20	30	400 V 25 A	IP64	800	-35 ... +85 [-31 ... +185]
 Fig. SRI085	Dimension 85 mm, contactless modular, wide range of variants, extreme service life, especially for 24/7 operation, contactless signal transmission for high speeds	•	•	–	–	3 load 3 temp.	30	240 V 25 A	IP64	800	-30 ... +85 [-22 ... +185]
Customer-specific slip ring solutions											
 Fig. SR120	Dimension 120 mm customer-specific structure with a modular construction, supports all common fieldbuses up to 100 Mbit/s	•	•	•	•	on request	50	400 V 25 A	IP64	300	-35 ... +85 [-31 ... +185]
 Fig. SR160	Dimension 160 mm customer-specific design with an individual interface layout, up to 3 paths for gigabit fieldbuses	•	•	•	•	on request	–	400 V 50 A	IP65	150	-35 ... +85 [-31 ... +185]
 Fig. SR250H	Dimension 250 mm and larger 100% customer-specific, condition monitoring, integration of sensor systems	•	•	•	•	on request	–	1000 V 150 A	IP65	150	-35 ... +85 [-31 ... +185]
 Fig. SR160P	Pancake slip rings customer-specific design, large hollow shaft, extremely flat design	•	•	•	•	on request	on request	60 VDC 5 A	IP64	150	0 ... +75 [+32 ... +167]