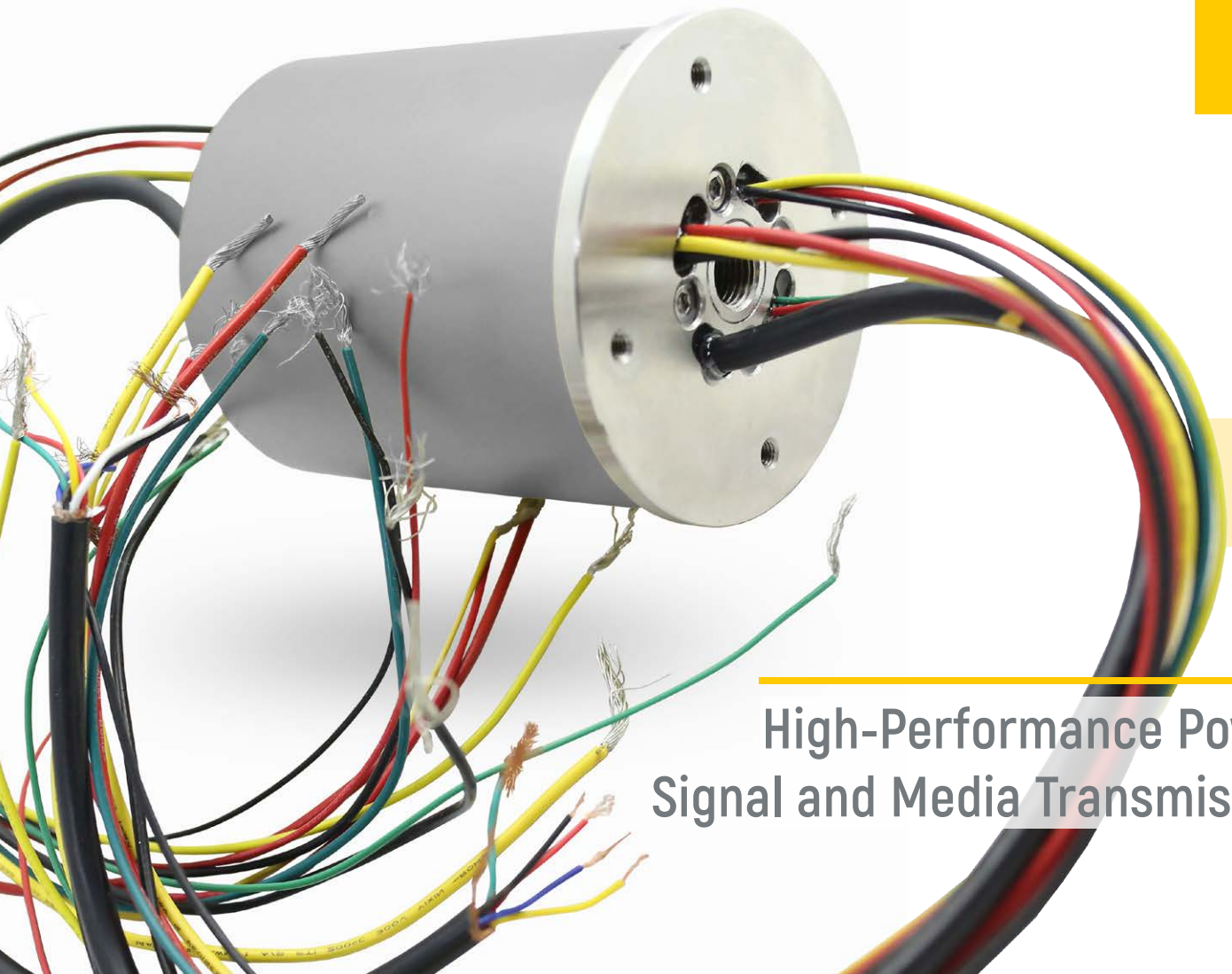




ROTARX[®]

Automation Slip Rings



High-Performance Power,
Signal and Media Transmission

COMPACT SLIP RINGS

Our other available catalogues:

COMPACT SLIP RINGS SOLUTIONS (General catalogue)	(256 pages)
CAPSULATED MINIATURE SLIP RINGS	(44 pages)
THROUGH-BORE SLIP RINGS	(68 pages)
PANCAKE SLIP RINGS - with Housing - without Housing	(42 pages)
SEPARATE SLIP RINGS	(28 pages)
FASTON SLIP RINGS	(24 pages)
MINIATURE HYBRID SLIP RINGS	(24 pages)
HYBRID SLIP RINGS - Pneumatic / Liquid + Electric	(72 pages)
HYBRID SLIP RINGS - Ethernet + Electric	(34 pages)
HYBRID SLIP RINGS - USB + Electric	(30 pages)
HYBRID SLIP RINGS - Fiber Optical + Electric	(44 pages)
HYBRID SLIP RINGS - Coax + Electric	(40 pages)
HYBRID SLIP RINGS - HD-SDI (1080p)+ Electric	(26 pages)

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The Company

Quality and Safety

B-COMMAND was founded in 1995. Since more than 20 years the company has put its focus on **production and sales of electro technical components to all parts of the globe.**

In the early years B-COMMAND focused on electro-mechanical control solutions mainly for the national crane market. Throughout the years the sales area was widened to many international countries and the second main product focus became wind power technology. The company started developing and manufacturing of special limit switches for wind turbines which are still one of the major product lines today.

After more than 10 years of growth and success with electro-mechanical products, another different technology division was established: **electrical transmission technology.**

Due to many analogies with electro-mechanical products and many skilled engineers the new technology focus for transmission of power and signals had been implemented.

QUALITY MANAGEMENT
Certification 2017



Production & Warehouse

In the beginning the products for electrical transmission technology included simple slip rings for transmitting small power ratings from fixed to rotating parts into machines.

Today, in times of Industry 4.0 and industrial networks, the program contains more than **20.000 possible solutions with combined power and signal transmission, high-frequency solutions, different housing types and super-miniature solutions.**



Offices of our Headquarters Hamburg



Our technical expertise guarantees the right solution for your applications.

Since more than 10 years the company is certified according to **DIN EN ISO9001:2015 by TÜV in Germany.** All management and production processes are created and approved according to international standards. Especially a **flexible production structure allows short delivery times also for small volume orders or prototypes.**

The purchasing organization of B-COMMAND is internationally targeted. Raw material and production components are sourced from best-rated suppliers worldwide. A network of specialists for all materials is available for developing the best solution for the customers requirements resulting in a perfect fitting product for all individual projects.

B-COMMAND has an international sales network of distributors and sales partners for all regions. Some of the distributors even offer spare parts or series demand products from their own stock in the different countries.

CONTACT

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www.rotarX.com

All activities at B-COMMAND are focused on customer satisfaction. Creating perfect-fitting technical solutions with best quality for marked-based prices – this is our passion.



Slip Rings Technology

Slip rings are essential electromechanical parts of commercial or industrial machinery. They have to ensure transfer of data, media, energy and electrical signals in best possible conditions. This can only be realized by combination of a targeted design process, selection of best raw materials, professional production conditions, 100% quality control and skilled assembling on customer side.

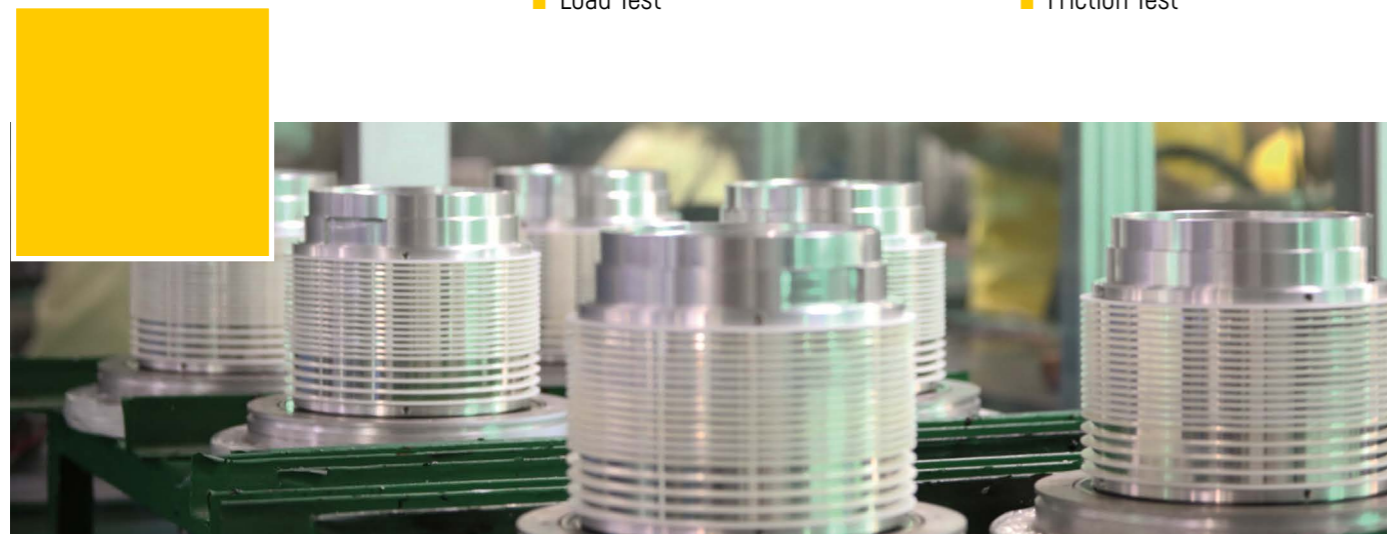


PREMIUM ENGINEERING

With many years experience and a deep knowledge of all relevant engineering disciplines, B-COMMAND engineering team can provide fast and innovative design solutions for customers around the world. Our engineers are constantly developing new designs and use new materials across a wide spectrum of diverse environments.

In order to ensure only premium-quality products B-COMMAND is able to undertake following tests in our in-house laboratory:

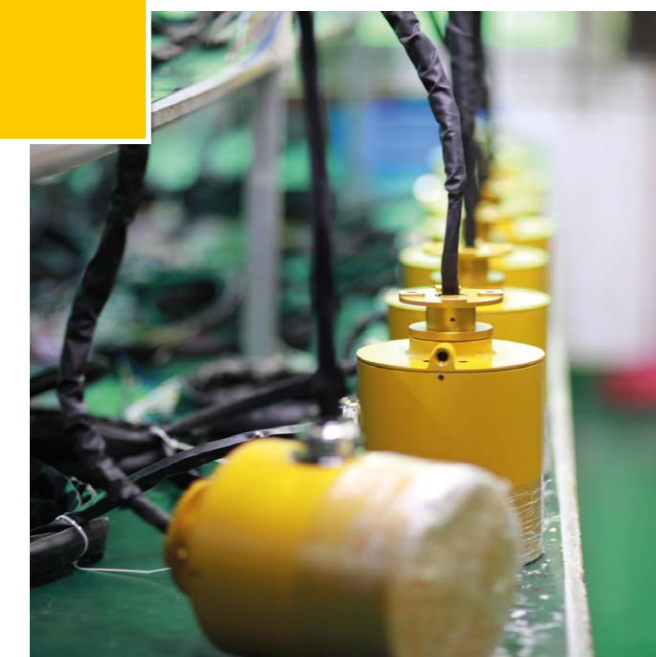
- Humidity Test
- Temperature Test
- Protection Degree Test
- Vibration / Shock Test
- High Pressure / Vacuum Test
- Torque Test
- High Voltage Test
- Large Current Test
- Salt Spray Test
- Load Test
- Electrical Noise Test
- Contact Resistance Test
- Lifetime Test
- Insulation Test
- Frequency Test
- Friction Test



ROTARX - MINIATURE SLIP RINGS

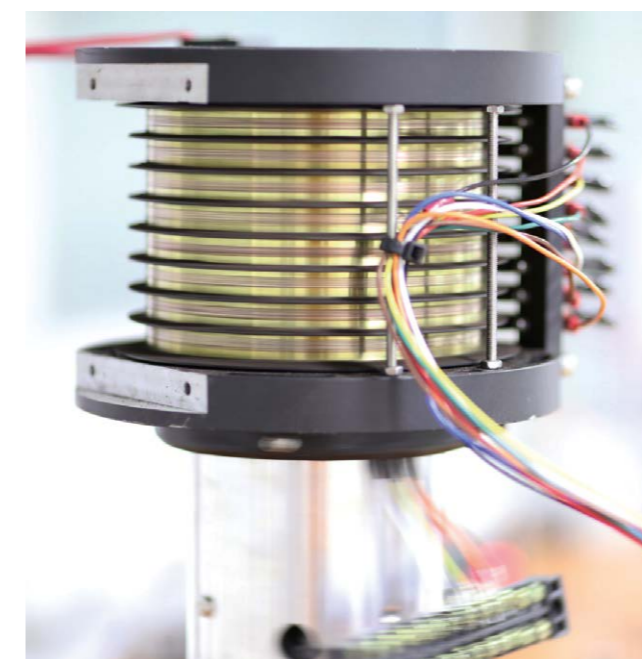
TOTAL QUALITY CONTROL

High production depth is the key to total quality control. Therefore B-COMMAND has established extended electrical and mechanical production capabilities. Different automatic and semi-automatic multiple axis CNC machining centers, grinding machines, milling machines and coating machines offer a wide range of mechanical options during production process. Only experts with long-term knowledge are operating our machinery in order to grant best quality products for our customers.



FLEXIBILITY

For B-COMMAND flexibility is not just a word, it is the basis of our organization. Flexible sales and R&D structures with capacity for extensive project inquiries from our customers are as well allocated as flexible production structures with high-volume series production and also fast-track options for small volume orders.



WWW.ROTARX.COM

INNOVATION

The willingness of lifelong-learning and permanent interest in new technological trends sets our engineering team apart. Industrial communication and electrical complexity of everyday life have moved to a new level and they are still developing fast. We keep an eye on all new technologies, new applications, new materials and forward-looking innovations which can improve or re-invent our products.

Slip Rings Applications



WIND POWER TECHNOLOGY

- Small Wind Turbines
- Multi-MW-Turbines
- Signal & Power Transmission



AEROSPACE TECHNOLOGY

- Drones
- Radars
- Thermal Imaging



ROBOTIC TECHNOLOGY

- Production Robots
- Inspection Robots
- Packaging Robots



CAMERA TECHNOLOGY

- TV-Cameras
- Security Cameras
- Inspection Cameras



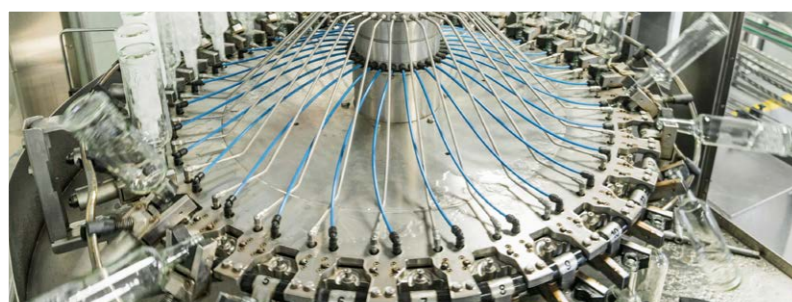
CRANE TECHNOLOGY

- Post Cranes
- Tower Cranes
- Mobile Cranes



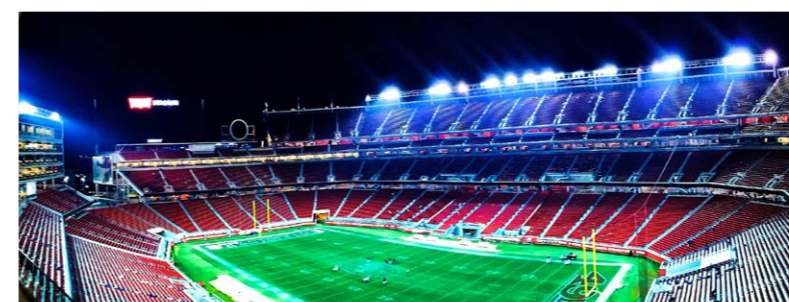
AMUSEMENT TECHNOLOGY

- Pendulum Rides
- Observation Wheel
- Merry-Go-Round



PACKAGING TECHNOLOGY

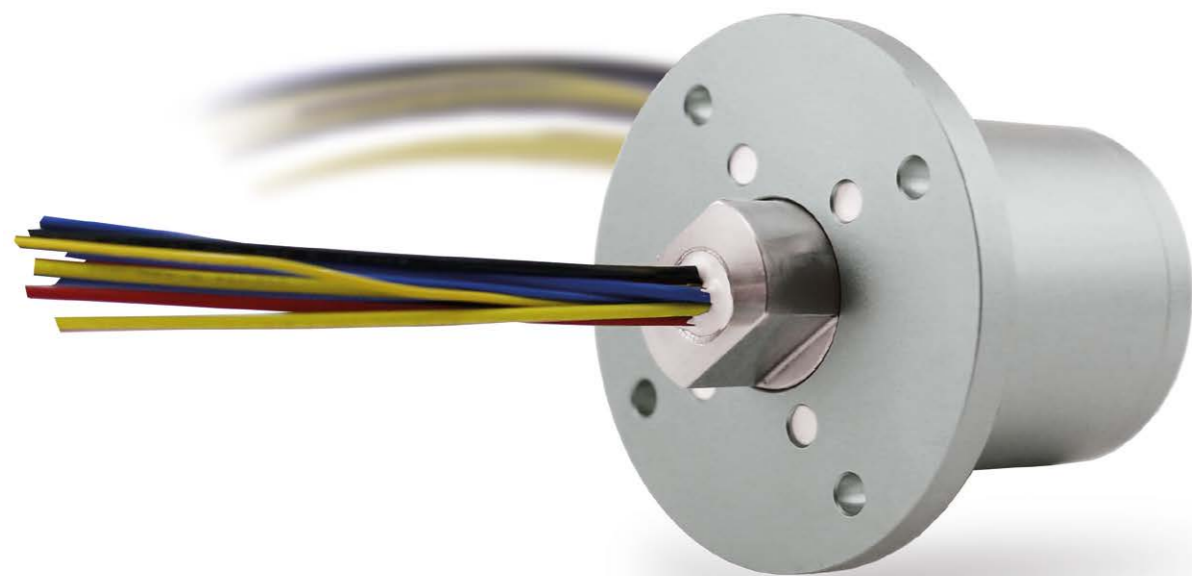
- Packaging Robots
- Filling Machines
- Capping Machines



STAGE TECHNOLOGY

- Rotating Stages
- Rotating Lights
- Revolving Platforms

RX-SF and RX-RF Series



PRODUCT CODE

RX	-	AA	BBB	C	-	DD	E	-	FF	GGG	S
		1	2	3		4	5		6	7	8

Example: RX-RF056B-QS1-04032S
 (1) Stator Flange Slip Ring with (2) Outer Diameter 56mm, (3) Model B, (4) Common Quality Version, (5) No Option, (6) 4 rings for power transmission, (7) 32 rings for signal transmission, (8) Standard Version

1	Series	SF - Automation Stator Flange Slip Ring RF - Automation Rotor Flange Slip Ring	5	Options	1 - No Option (standard) 2 - Additional Options for Customized Version
2	Outer Diameter	From 56mm to 119mm (see drawings for details)	6	Number of Power Circuits	From 2 rings to 48 rings each 10A
3	Model	A or B : Different Housing Models (see drawings for details)	7	Number of Signal Circuits	From 2 rings to 108 rings each Signal / 5A
4	Quality Level	QS - Common Quality Version QI - Industrial Quality Version (see specifications for details)	8	Version	S - Standard C - Customized

High Power
 Compact
 Cost-Effective
 RoHS2 CE

Our automation slip rings can be used for more complex industrial power and signal transmission tasks. Depending on the requirement of the customer we offer two different qualities of automation slip rings: common quality and industrial quality. Depending on the quality selected, the working life, max. rotation speed and contact materials vary.

The automation slip rings are available with housing diameters 56mm, 89mm and 119mm in rotor-flange, stator-flange or without-flange versions. Inside the housing from 2 up to 108 rings can be used for power transmission up to 10A each ring or signal transmission with max. 5A each ring (Ethernet, USB, RS, CANbus, Video Signals, Sensor Signals e.g.) The housing is made of aluminium material.

Inside the automation slip rings, we use the best advanced fiber brush technology and precious metal or gold-to-gold multi-contacting. The slip rings offer low electrical noise for high data rate field bus transmission, low contact pressure for long lifetime and they are maintenance free.

We offer standardized & modularized design and fully customizable products according to the special requirements of customers in different applications.

If you have specific customized requirements, please feel free to consult us in order to create the most suitable recommendation for your specification.

ADVANTAGES

- + Robust Housing
- + Low Contact Resistance
- + Long Lifetime
- + Maintenance Free
- + 360° Continuous Rotation
- + Power & Signal Transmission
- + Customized Circuit Combinations
- + Low Torque

MAIN APPLICATIONS

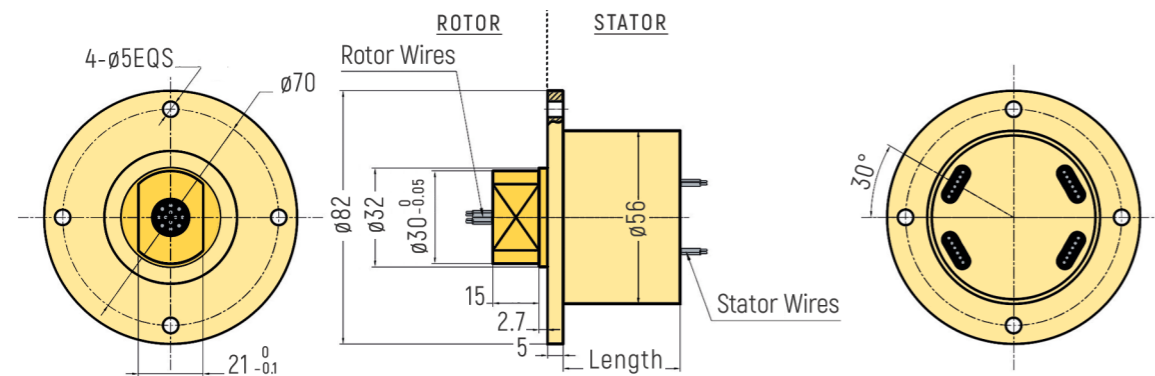
- > Hose & Cable Reels
- > Packaging Machines
- > Crane Technology
- > Robotics
- > Wind Turbines
- > Rotating Amusement Platforms
- > Production Equipment

SPECIFICATIONS

AUTOMATION SLIP RING SPECIFICATIONS			
NUMBER OF CIRCUITS	2-48 for power transmission	2-108 for signal transmission	
ELECTRICAL SPECIFICATIONS			
VOLTAGE RATING	Power transmission circuits: 440VAC/DC	Types RF086 and RF119: 690VAC/DC;	All other types: 440VAC/DC
CURRENT RATING	Power transmission circuits: 10A	Signal transmission circuits: 5A	
ELECTRICAL NOISE	max 10mΩ		
INSULATION RESISTANCE	≥1000 MΩ @ 500 VDC		
LEAD CABLE SIZE	Power transmission circuits: AWG16 Teflon	Signal transmission circuits: AWG22 Teflon	
LEAD CABLE LENGTH	Standard 300mm (Rotor/Stator)		
DIELECTRIC STRENGTH	500VAC @ 50Hz, 60s		
MECHANICAL SPECIFICATIONS			
WORKING LIFE	Common Quality Level: 15 Million Revs	Industrial Quality Level: 80 Million Revs	
ROTATING SPEED	Types RF056,RF086 and RF119: Common Quality Level: 0-250 rpm;	Industrial Quality Level: 0-1000 rpm	
	Types SF056 and SF086: Common Quality Level: 0-150 rpm;	Industrial Quality Level: 0-600 rpm	
	Type SF119: Common Quality Level: 0-200 rpm;	Industrial Quality Level: 0-600 rpm	
TEMPERATURE RANGE	-30°C to +80°C		
OPERATING HUMIDITY	0-85% RH		
CONTACT MATERIAL	Common Quality Level: Precious Metal	Industrial Quality Level: Gold-Gold	
HOUSING MATERIAL	Aluminium Alloy		
TORQUE	0.1N.m; +0.03N.m/6 rings		
PROTECTION DEGREE	IP51 (higher or lower on request)		

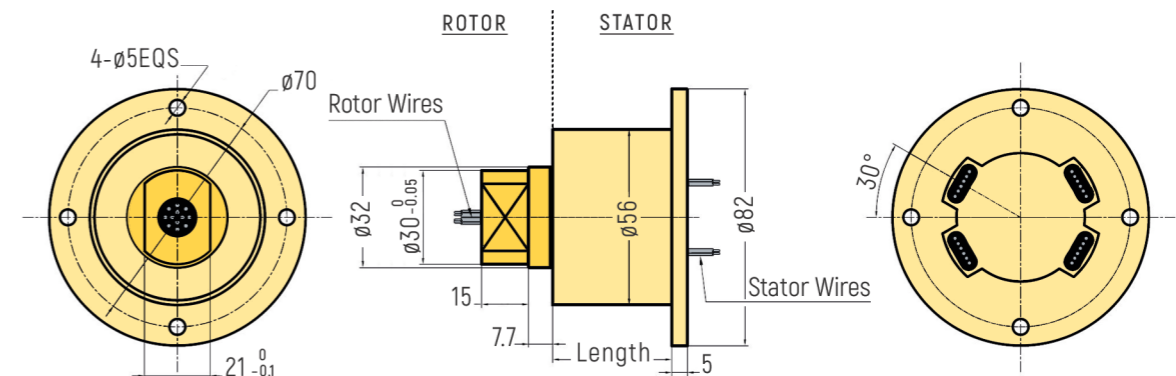
RX-SF056A

Stator Flange Slip Ring



RX-SF056B

Stator Flange Slip Ring



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-SF056A-QS1-00002S	26.8	-	2
RX-SF056A-QS1-02000S	26.8	2	-
RX-SF056A-QS1-00003S	29.6	-	3
RX-SF056A-QS1-03000S	29.6	3	-
RX-SF056A-QS1-00006S	38	-	6
RX-SF056A-QS1-02004S	38	2	4
RX-SF056A-QS1-04002S	38	4	2
RX-SF056A-QS1-06000S	38	6	-
RX-SF056A-QS1-00012S	54.8	-	12
RX-SF056A-QS1-02010S	54.8	2	10
RX-SF056A-QS1-03009S	54.8	3	9
RX-SF056A-QS1-06006S	54.8	6	6
RX-SF056A-QS1-08004S	54.8	8	4
RX-SF056A-QS1-10002S	54.8	10	2
RX-SF056A-QS1-12000S	54.8	12	-
RX-SF056A-QS1-00018S	71.5	-	18
RX-SF056A-QS1-02016S	71.5	2	16
RX-SF056A-QS1-04014S	71.5	4	14
RX-SF056A-QS1-06012S	71.5	6	12
RX-SF056A-QS1-08010S	71.5	8	10

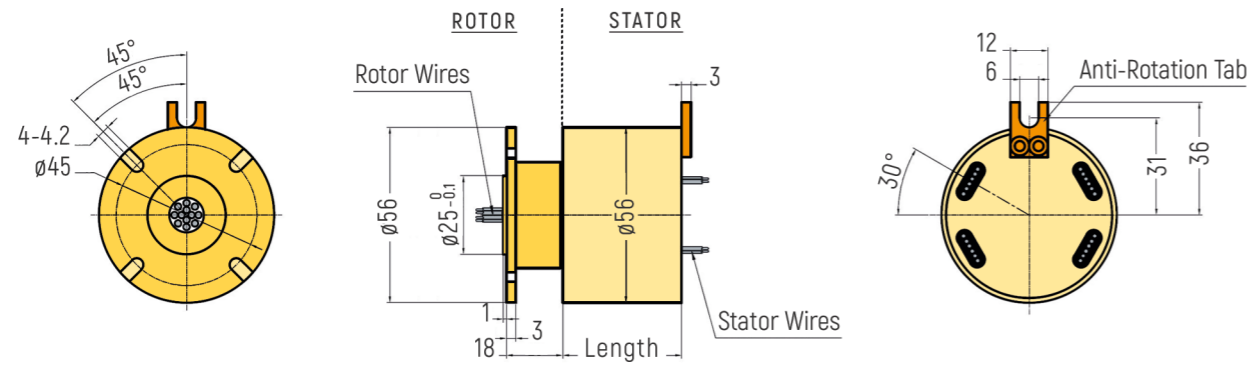
MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-SF056A-QS1-10008S	71.5	10	8
RX-SF056A-QS1-12006S	71.5	12	6
RX-SF056A-QS1-14004S	71.5	14	4
RX-SF056A-QS1-16002S	71.5	16	2
RX-SF056A-QS1-00024S	88.4	-	24
RX-SF056A-QS1-04020S	88.4	4	20
RX-SF056A-QS1-06018S	88.4	6	18
RX-SF056A-QS1-12012S	88.4	12	12
RX-SF056A-QS1-18006S	88.4	18	6
RX-SF056A-QS1-24000S	88.4	24	-
RX-SF056A-QS1-00030S	105.2	-	30
RX-SF056A-QS1-02028S	105.2	2	28
RX-SF056A-QS1-04026S	105.2	4	26
RX-SF056A-QS1-06024S	105.2	6	24
RX-SF056A-QS1-00036S	122	-	36
RX-SF056A-QS1-04032S	122	4	32
RX-SF056A-QS1-06030S	122	6	30
RX-SF056A-QS1-00042S	138.8	-	42
RX-SF056A-QS1-04038S	138.8	4	38
RX-SF056A-QS1-00048S	155.6	-	48

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-SF056B-QS1-00002S	26,8	-	2
RX-SF056B-QS1-02000S	26,8	2	-
RX-SF056B-QS1-00003S	29,6	-	3
RX-SF056B-QS1-03000S	29,6	3	-
RX-SF056B-QS1-00006S	38	-	6
RX-SF056B-QS1-02004S	38	2	4
RX-SF056B-QS1-04002S	38	4	2
RX-SF056B-QS1-06000S	38	6	-
RX-SF056B-QS1-00012S	54.8	-	12
RX-SF056B-QS1-02010S	54.8	2	10
RX-SF056B-QS1-03009S	54.8	3	9
RX-SF056B-QS1-06006S	54.8	6	6
RX-SF056B-QS1-08004S	54.8	8	4
RX-SF056B-QS1-10002S	54.8	10	2
RX-SF056B-QS1-12000S	54.8	12	-
RX-SF056B-QS1-00018S	71.5	-	18
RX-SF056B-QS1-02016S	71.5	2	16
RX-SF056B-QS1-04014S	71.5	4	14
RX-SF056B-QS1-06012S	71.5	6	12
RX-SF056B-QS1-08010S	71.5	8	10

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-SF056B-QS1-10008S	71.5	10	8
RX-SF056B-QS1-12006S	71.5	12	6
RX-SF056B-QS1-14004S	71.5	14	4
RX-SF056B-QS1-16002S	71.5	16	2
RX-SF056B-QS1-00024S	88.4	-	24
RX-SF056B-QS1-04020S	88.4	4	20
RX-SF056B-QS1-06018S	88.4	6	18
RX-SF056B-QS1-12012S	88.4	12	12
RX-SF056B-QS1-18006S	88.4	18	6
RX-SF056B-QS1-24000S	88.4	24	-
RX-SF056B-QS1-00030S	105.2	-	30
RX-SF056B-QS1-02028S	105.2	2	28
RX-SF056B-QS1-04026S	105.2	4	26
RX-SF056B-QS1-06024S	105.2	6	24
RX-SF056B-QS1-00036S	122	-	36
RX-SF056B-QS1-04032S	122	4	32
RX-SF056B-QS1-06030S	122	6	30
RX-SF056B-QS1-00042S	138.8	-	42
RX-SF056B-QS1-04038S	138.8	4	38
RX-SF056B-QS1-00048S	155.6	-	48

RX-RF056A

Rotor Flange Slip Ring

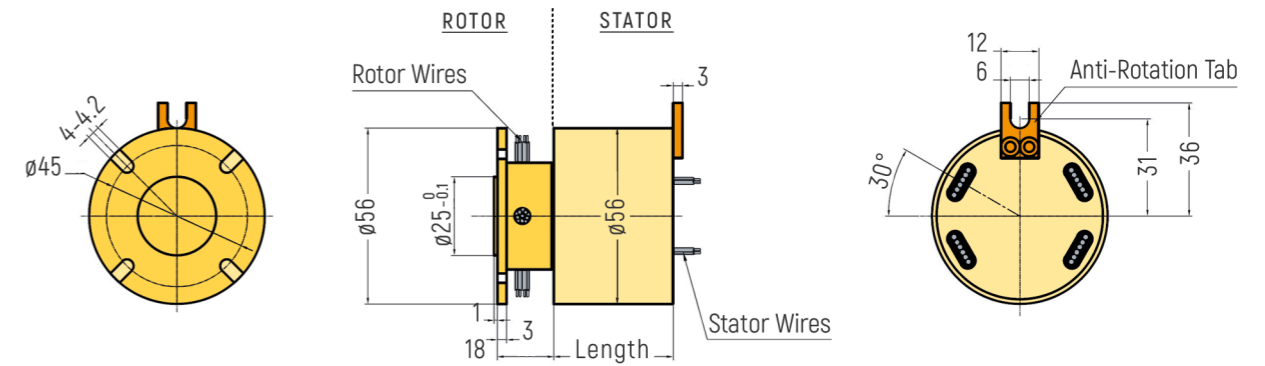


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-RF056A-QS1-00002S	26.8	-	2
RX-RF056A-QS1-02000S	26.8	2	-
RX-RF056A-QS1-00003S	29.6	-	3
RX-RF056A-QS1-03000S	29.6	3	-
RX-RF056A-QS1-00006S	38	-	6
RX-RF056A-QS1-02004S	38	2	4
RX-RF056A-QS1-04002S	38	4	2
RX-RF056A-QS1-06000S	38	6	-
RX-RF056A-QS1-00012S	54.8	-	12
RX-RF056A-QS1-02010S	54.8	2	10
RX-RF056A-QS1-03009S	54.8	3	9
RX-RF056A-QS1-06006S	54.8	6	6
RX-RF056A-QS1-08004S	54.8	8	4
RX-RF056A-QS1-10002S	54.8	10	2
RX-RF056A-QS1-12000S	54.8	12	-
RX-RF056A-QS1-00018S	71.5	-	18
RX-RF056A-QS1-02016S	71.5	2	16
RX-RF056A-QS1-04014S	71.5	4	14
RX-RF056A-QS1-06012S	71.5	6	12
RX-RF056A-QS1-08010S	71.5	8	10

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-RF056A-QS1-10008S	71.5	10	8
RX-RF056A-QS1-12006S	71.5	12	6
RX-RF056A-QS1-14004S	71.5	14	4
RX-RF056A-QS1-16002S	71.5	16	2
RX-RF056A-QS1-00024S	88.4	-	24
RX-RF056A-QS1-04020S	88.4	4	20
RX-RF056A-QS1-06018S	88.4	6	18
RX-RF056A-QS1-12012S	88.4	12	12
RX-RF056A-QS1-18006S	88.4	18	6
RX-RF056A-QS1-24000S	88.4	24	-
RX-RF056A-QS1-00030S	105.2	-	30
RX-RF056A-QS1-02028S	105.2	2	28
RX-RF056A-QS1-04026S	105.2	4	26
RX-RF056A-QS1-06024S	105.2	6	24
RX-RF056A-QS1-00036S	122	-	36
RX-RF056A-QS1-04032S	122	4	32
RX-RF056A-QS1-06030S	122	6	30
RX-RF056A-QS1-00042S	138.8	-	42
RX-RF056A-QS1-04038S	138.8	4	38
RX-RF056A-QS1-00048S	155.6	-	48

RX-RF056B

Rotor Flange Slip Ring

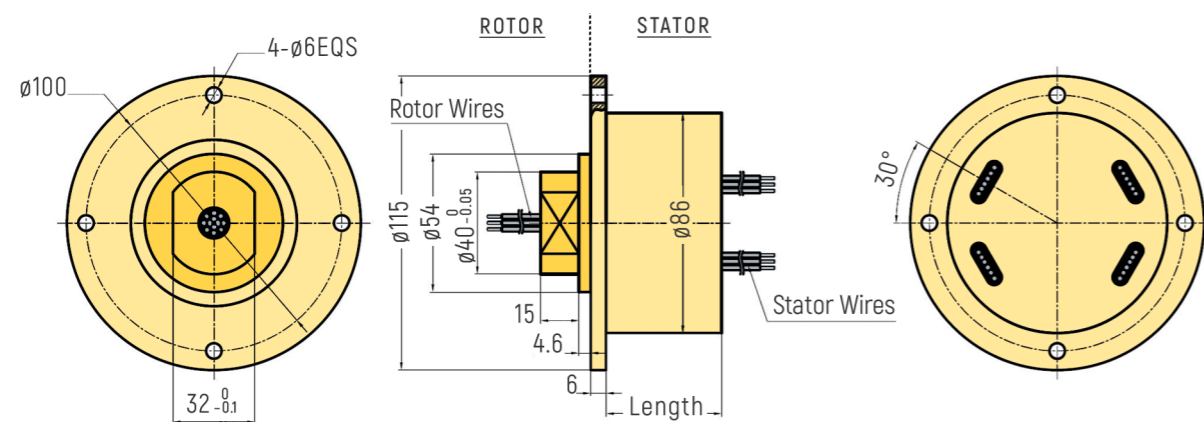


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-RF056B-QS1-00002S	26.8	-	2
RX-RF056B-QS1-02000S	26.8	2	-
RX-RF056B-QS1-00003S	29.6	-	3
RX-RF056B-QS1-03000S	29.6	3	-
RX-RF056B-QS1-00006S	38	-	6
RX-RF056B-QS1-02004S	38	2	4
RX-RF056B-QS1-04002S	38	4	2
RX-RF056B-QS1-06000S	38	6	-
RX-RF056B-QS1-00012S	54.8	-	12
RX-RF056B-QS1-02010S	54.8	2	10
RX-RF056B-QS1-03009S	54.8	3	9
RX-RF056B-QS1-06006S	54.8	6	6
RX-RF056B-QS1-08004S	54.8	8	4
RX-RF056B-QS1-10002S	54.8	10	2
RX-RF056B-QS1-12000S	54.8	12	-
RX-RF056B-QS1-00018S	71.5	-	18
RX-RF056B-QS1-02016S	71.5	2	16
RX-RF056B-QS1-04014S	71.5	4	14
RX-RF056B-QS1-06012S	71.5	6	12
RX-RF056B-QS1-08010S	71.5	8	10

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		10A	Signal / 5A
RX-RF056B-QS1-10008S	71.5	10	8
RX-RF056B-QS1-12006S	71.5	12	6
RX-RF056B-QS1-14004S	71.5	14	4
RX-RF056B-QS1-16002S	71.5	16	2
RX-RF056B-QS1-00024S	88.4	-	24
RX-RF056B-QS1-04020S	88.4	4	20
RX-RF056B-QS1-06018S	88.4	6	18
RX-RF056B-QS1-12012S	88.4	12	12
RX-RF056B-QS1-18006S	88.4	18	6
RX-RF056B-QS1-24000S	88.4	24	-
RX-RF056B-QS1-00030S	105.2	-	30
RX-RF056B-QS1-02028S	105.2	2	28
RX-RF056B-QS1-04026S	105.2	4	26
RX-RF056B-QS1-06024S	105.2	6	24
RX-RF056B-QS1-00036S	122	-	36
RX-RF056B-QS1-04032S	122	4	32
RX-RF056B-QS1-06030S	122	6	30
RX-RF056B-QS1-00042S	138.8	-	42
RX-RF056B-QS1-04038S	138.8	4	38
RX-RF056B-QS1-00048S	155.6	-	48

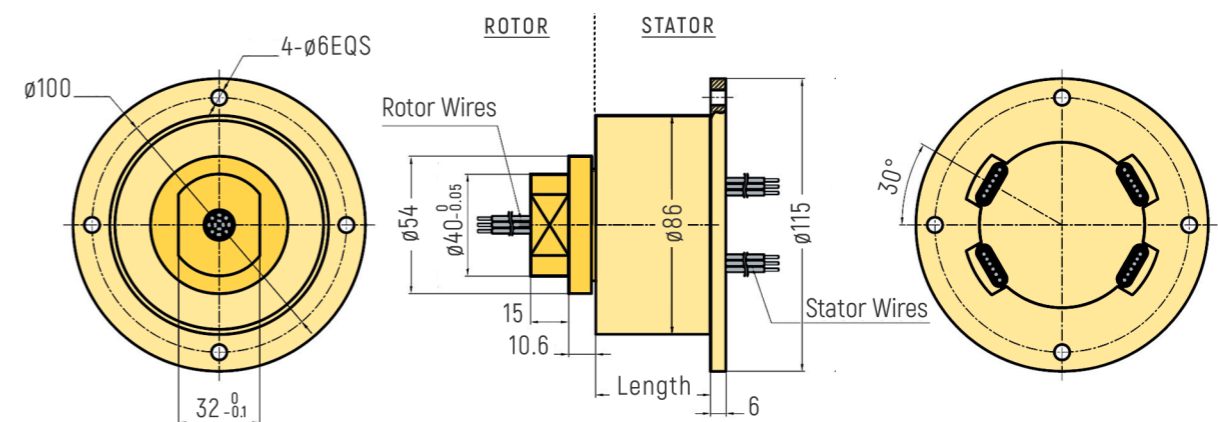
RX-SF086A

Stator Flange Slip Ring



RX-SF086B

Stator Flange Slip Ring



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF086A-QS1-00002S	31.6	-	2
RX-SF086A-QS1-02000S	31.6	2	-
RX-SF086A-QS1-00003S	35	-	3
RX-SF086A-QS1-03000S	35	3	-
RX-SF086A-QS1-00006S	45.2	-	6
RX-SF086A-QS1-02004S	45.2	2	4
RX-SF086A-QS1-04002S	45.2	4	2
RX-SF086A-QS1-06000S	45.2	6	-
RX-SF086A-QS1-00012S	65.6	-	12
RX-SF086A-QS1-02010S	65.6	2	10
RX-SF086A-QS1-03009S	65.6	3	9
RX-SF086A-QS1-06006S	65.6	6	6
RX-SF086A-QS1-08004S	65.6	8	4
RX-SF086A-QS1-10002S	65.6	10	2
RX-SF086A-QS1-12000S	65.6	12	-
RX-SF086A-QS1-00018S	86	-	18
RX-SF086A-QS1-02016S	86	2	16
RX-SF086A-QS1-04014S	86	4	14
RX-SF086A-QS1-06012S	86	6	12
RX-SF086A-QS1-08010S	86	8	10
RX-SF086A-QS1-10008S	86	10	8
RX-SF086A-QS1-12006S	86	12	6
RX-SF086A-QS1-14004S	86	14	4
RX-SF086A-QS1-16002S	86	16	2
RX-SF086A-QS1-00024S	106.4	-	24
RX-SF086A-QS1-04020S	106.4	4	20
RX-SF086A-QS1-06018S	106.4	6	18

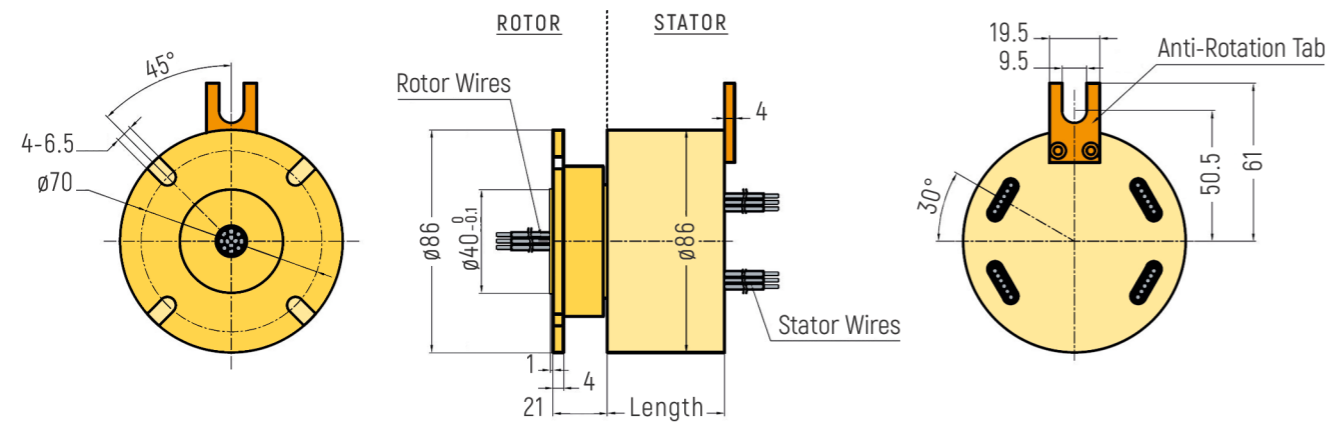
MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF086A-QS1-12012S	106.4	12	12
RX-SF086A-QS1-18006S	106.4	18	6
RX-SF086A-QS1-24000S	106.4	24	-
RX-SF086A-QS1-00030S	126.8	-	30
RX-SF086A-QS1-06024S	126.8	6	24
RX-SF086A-QS1-12018S	126.8	12	18
RX-SF086A-QS1-18012S	126.8	18	12
RX-SF086A-QS1-24006S	126.8	24	6
RX-SF086A-QS1-30000S	126.8	30	-
RX-SF086A-QS1-00036S	147.2	-	36
RX-SF086A-QS1-06030S	147.2	6	30
RX-SF086A-QS1-12024S	147.2	12	24
RX-SF086A-QS1-36000S	147.2	36	-
RX-SF086A-QS1-00042S	167.6	-	42
RX-SF086A-QS1-06036S	167.6	6	36
RX-SF086A-QS1-12030S	167.6	12	30
RX-SF086A-QS1-00048S	188	-	48
RX-SF086A-QS1-06042S	188	6	42
RX-SF086A-QS1-09039S	188	9	39
RX-SF086A-QS1-12036S	188	12	36
RX-SF086A-QS1-18030S	188	18	30
RX-SF086A-QS1-24024S	188	24	24
RX-SF086A-QS1-00060S	238.8	-	60
RX-SF086A-QS1-06054S	238.8	6	54
RX-SF086A-QS1-09051S	238.8	9	51
RX-SF086A-QS1-12048S	238.8	12	48
RX-SF086A-QS1-00072S	289.6	-	72

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF086B-QS1-00002S	31.6	-	2
RX-SF086B-QS1-02000S	31.6	2	-
RX-SF086B-QS1-00003S	35	-	3
RX-SF086B-QS1-03000S	35	3	-
RX-SF086B-QS1-00006S	45.2	-	6
RX-SF086B-QS1-02004S	45.2	2	4
RX-SF086B-QS1-04002S	45.2	4	2
RX-SF086B-QS1-06000S	45.2	6	-
RX-SF086B-QS1-00012S	65.6	-	12
RX-SF086B-QS1-02010S	65.6	2	10
RX-SF086B-QS1-03009S	65.6	3	9
RX-SF086B-QS1-06006S	65.6	6	6
RX-SF086B-QS1-08004S	65.6	8	4
RX-SF086B-QS1-10002S	65.6	10	2
RX-SF086B-QS1-12000S	65.6	12	-
RX-SF086B-QS1-00018S	86	-	18
RX-SF086B-QS1-02016S	86	2	16
RX-SF086B-QS1-04014S	86	4	14
RX-SF086B-QS1-06012S	86	6	12
RX-SF086B-QS1-08010S	86	8	10
RX-SF086B-QS1-10008S	86	10	8
RX-SF086B-QS1-12006S	86	12	6
RX-SF086B-QS1-14004S	86	14	4
RX-SF086B-QS1-16002S	86	16	2
RX-SF086B-QS1-00024S	106.4	-	24
RX-SF086B-QS1-04020S	106.4	4	20
RX-SF086B-QS1-06018S	106.4	6	18

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF086B-QS1-12012S	106.4	12	12
RX-SF086B-QS1-18006S	106.4	18	6
RX-SF086B-QS1-24000S	106.4	24	-
RX-SF086B-QS1-00030S	126.8	-	30
RX-SF086B-QS1-06024S	126.8	6	24
RX-SF086B-QS1-12018S	126.8	12	18
RX-SF086B-QS1-18012S	126.8	18	12
RX-SF086B-QS1-24006S	126.8	24	6
RX-SF086B-QS1-30000S	126.8	30	-
RX-SF086B-QS1-00036S	147.2	-	36
RX-SF086B-QS1-06030S	147.2	6	30
RX-SF086B-QS1-12024S	147.2	12	24
RX-SF086B-QS1-36000S	147.2	36	-
RX-SF086B-QS1-00042S	167.6	-	42
RX-SF086B-QS1-06036S	167.6	6	36
RX-SF086B-QS1-12030S	167.6	12	30
RX-SF086B-QS1-00048S	188	-	48
RX-SF086B-QS1-06042S	188	6	42
RX-SF086B-QS1-09039S	188	9	39
RX-SF086B-QS1-12036S	188	12	36
RX-SF086B-QS1-18030S	188	18	30
RX-SF086B-QS1-24024S	188	24	24
RX-SF086B-QS1-00060S	238.8	-	60
RX-SF086B-QS1-06054S	238.8	6	54
RX-SF086B-QS1-09051S	238.8	9	51
RX-SF086B-QS1-12048S	238.8	12	48
RX-SF086B-QS1-00072S	289.6	-	72

RX-RF086A

Rotor Flange Slip Ring

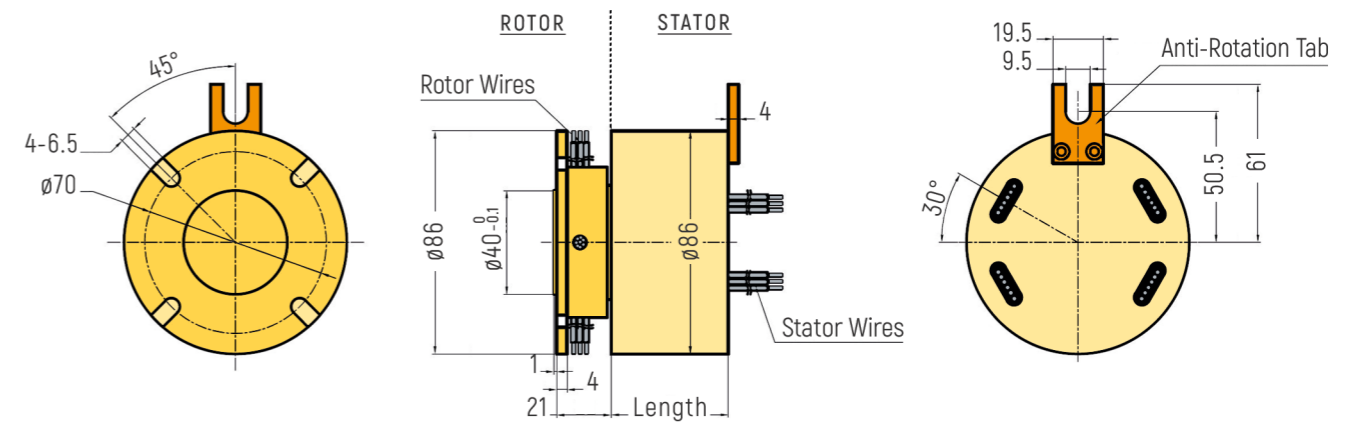


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF086A-QS1-00002S	31.6	-	2
RX-RF086A-QS1-02000S	31.6	2	-
RX-RF086A-QS1-00003S	35	-	3
RX-RF086A-QS1-03000S	35	3	-
RX-RF086A-QS1-00006S	45.2	-	6
RX-RF086A-QS1-02004S	45.2	2	4
RX-RF086A-QS1-04002S	45.2	4	2
RX-RF086A-QS1-06000S	45.2	6	0
RX-RF086A-QS1-00012S	65.6	-	12
RX-RF086A-QS1-02010S	65.6	2	10
RX-RF086A-QS1-03009S	65.6	3	9
RX-RF086A-QS1-06006S	65.6	6	6
RX-RF086A-QS1-08004S	65.6	8	4
RX-RF086A-QS1-10002S	65.6	10	2
RX-RF086A-QS1-12000S	65.6	12	-
RX-RF086A-QS1-00018S	86	-	18
RX-RF086A-QS1-02016S	86	2	16
RX-RF086A-QS1-04014S	86	4	14
RX-RF086A-QS1-06012S	86	6	12
RX-RF086A-QS1-08010S	86	8	10
RX-RF086A-QS1-10008S	86	10	8
RX-RF086A-QS1-12006S	86	12	6
RX-RF086A-QS1-14004S	86	14	4
RX-RF086A-QS1-16002S	86	16	2
RX-RF086A-QS1-00024S	106.4	-	24
RX-RF086A-QS1-04020S	106.4	4	20
RX-RF086A-QS1-06018S	106.4	6	18

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF086A-QS1-12012S	106.4	12	12
RX-RF086A-QS1-18006S	106.4	18	6
RX-RF086A-QS1-24000S	106.4	24	-
RX-RF086A-QS1-00030S	126.8	-	30
RX-RF086A-QS1-06024S	126.8	6	24
RX-RF086A-QS1-12018S	126.8	12	18
RX-RF086A-QS1-18012S	126.8	18	12
RX-RF086A-QS1-24006S	126.8	24	6
RX-RF086A-QS1-30000S	126.8	30	-
RX-RF086A-QS1-00036S	147.2	-	36
RX-RF086A-QS1-06030S	147.2	6	30
RX-RF086A-QS1-12024S	147.2	12	24
RX-RF086A-QS1-36000S	147.2	36	-
RX-RF086A-QS1-00042S	167.6	-	42
RX-RF086A-QS1-06036S	167.6	6	36
RX-RF086A-QS1-12030S	167.6	12	30
RX-RF086A-QS1-00048S	188	-	48
RX-RF086A-QS1-06042S	188	6	42
RX-RF086A-QS1-09039S	188	9	39
RX-RF086A-QS1-12036S	188	12	36
RX-RF086A-QS1-18030S	188	18	30
RX-RF086A-QS1-24024S	188	24	24
RX-RF086A-QS1-00060S	238.8	-	60
RX-RF086A-QS1-06054S	238.8	6	54
RX-RF086A-QS1-09051S	238.8	9	51
RX-RF086A-QS1-12048S	238.8	12	48
RX-RF086A-QS1-00072S	289.6	-	72

RX-RF086B

Rotor Flange Slip Ring

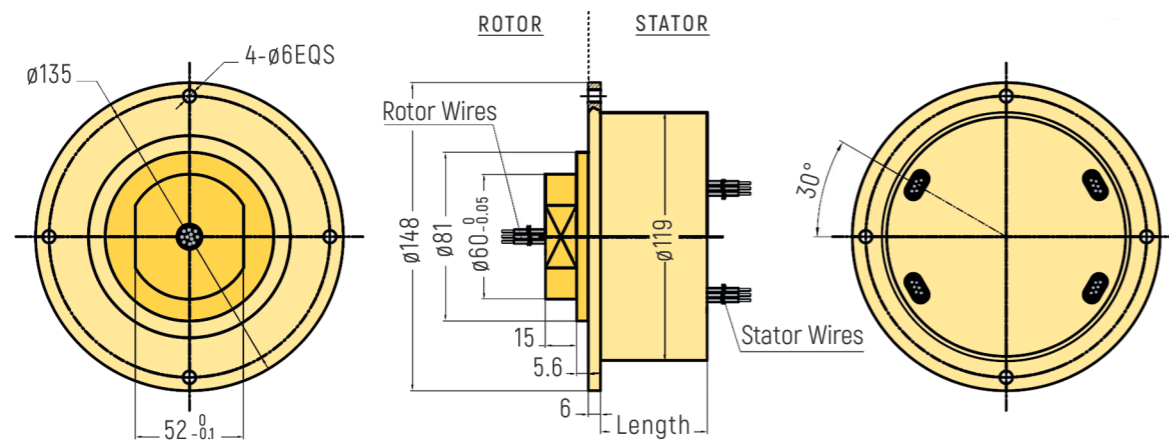


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF086B-QS1-00002S	31.6	-	2
RX-RF086B-QS1-02000S	31.6	2	-
RX-RF086B-QS1-00003S	35	-	3
RX-RF086B-QS1-03000S	35	3	-
RX-RF086B-QS1-00006S	45.2	-	6
RX-RF086B-QS1-02004S	45.2	2	4
RX-RF086B-QS1-04002S	45.2	4	2
RX-RF086B-QS1-06000S	45.2	6	-
RX-RF086B-QS1-00012S	65.6	-	12
RX-RF086B-QS1-02010S	65.6	2	10
RX-RF086B-QS1-03009S	65.6	3	9
RX-RF086B-QS1-06006S	65.6	6	6
RX-RF086B-QS1-08004S	65.6	8	4
RX-RF086B-QS1-10002S	65.6	10	2
RX-RF086B-QS1-12000S	65.6	12	-
RX-RF086B-QS1-00018S	86	-	18
RX-RF086B-QS1-02016S	86	2	16
RX-RF086B-QS1-04014S	86	4	14
RX-RF086B-QS1-06012S	86	6	12
RX-RF086B-QS1-08010S	86	8	10
RX-RF086B-QS1-10008S	86	10	8
RX-RF086B-QS1-12006S	86	12	6
RX-RF086B-QS1-14004S	86	14	4
RX-RF086B-QS1-16002S	86	16	2
RX-RF086B-QS1-00024S	106.4	-	24
RX-RF086B-QS1-04020S	106.4	4	20
RX-RF086B-QS1-06018S	106.4	6	18

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF086B-QS1-12012S	106.4	12	12
RX-RF086B-QS1-18006S	106.4	18	6
RX-RF086B-QS1-24000S	106.4	24	-
RX-RF086B-QS1-00030S	126.8	-	30
RX-RF086B-QS1-06024S	126.8	6	24
RX-RF086B-QS1-12018S	126.8	12	18
RX-RF086B-QS1-18012S	126.8	18	12
RX-RF086B-QS1-24006S	126.8	24	6
RX-RF086B-QS1-30000S	126.8	30	-
RX-RF086B-QS1-00036S	147.2	-	36
RX-RF086B-QS1-06030S	147.2	6	30
RX-RF086B-QS1-12024S	147.2	12	24
RX-RF086B-QS1-36000S	147.2	36	-
RX-RF086B-QS1-00042S	167.6	0	42
RX-RF086B-QS1-06036S	167.6	6	36
RX-RF086B-QS1-12030S	167.6	12	30
RX-RF086B-QS1-00048S	188	-	48
RX-RF086B-QS1-06042S	188	6	42
RX-RF086B-QS1-09039S	188	9	39
RX-RF086B-QS1-12036S	188	12	36
RX-RF086B-QS1-18030S	188	18	30
RX-RF086B-QS1-24024S	188	24	24
RX-RF086B-QS1-00060S	238.8	-	60
RX-RF086B-QS1-06054S	238.8	6	54
RX-RF086B-QS1-09051S	238.8	9	51
RX-RF086B-QS1-12048S	238.8	12	48
RX-RF086B-QS1-00072S	289.6	-	72

RX-SF119A

Stator Flange Slip Ring

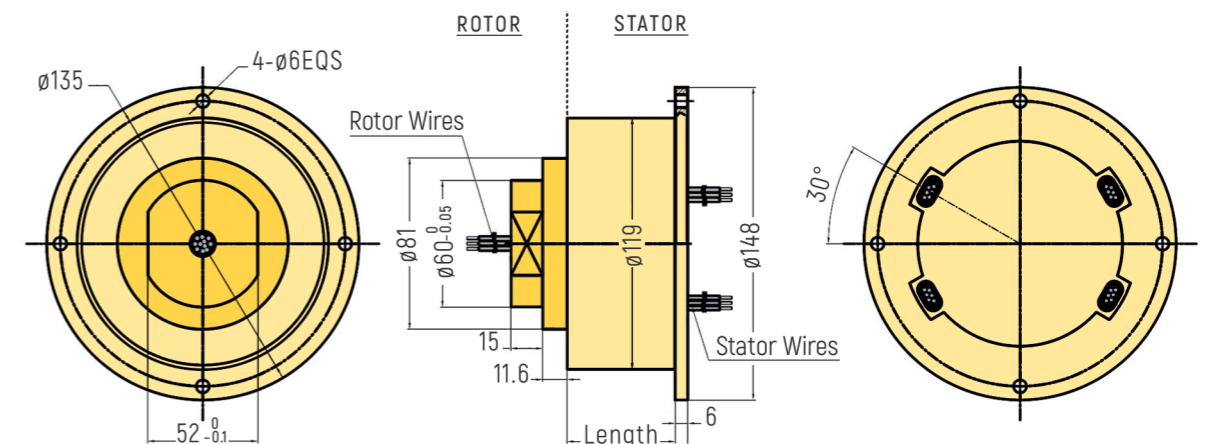


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF119A-QS1-00002S	36	-	2
RX-SF119A-QS1-02000S	36	2	-
RX-SF119A-QS1-00003S	39.8	-	3
RX-SF119A-QS1-03000S	39.8	3	-
RX-SF119A-QS1-00006S	51.2	-	6
RX-SF119A-QS1-02004S	51.2	2	4
RX-SF119A-QS1-04002S	51.2	4	2
RX-SF119A-QS1-06000S	51.2	6	-
RX-SF119A-QS1-00012S	74	-	12
RX-SF119A-QS1-02010S	74	2	10
RX-SF119A-QS1-03009S	74	3	9
RX-SF119A-QS1-06006S	74	6	6
RX-SF119A-QS1-08004S	74	8	4
RX-SF119A-QS1-10002S	74	10	2
RX-SF119A-QS1-12000S	74	12	-
RX-SF119A-QS1-00018S	96.8	-	18
RX-SF119A-QS1-02016S	96.8	2	16
RX-SF119A-QS1-04014S	96.8	4	14
RX-SF119A-QS1-06012S	96.8	6	12
RX-SF119A-QS1-08010S	96.8	8	10
RX-SF119A-QS1-10008S	96.8	10	8
RX-SF119A-QS1-12006S	96.8	12	6
RX-SF119A-QS1-14004S	96.8	14	4
RX-SF119A-QS1-16002S	96.8	16	2
RX-SF119A-QS1-00024S	119.6	-	24
RX-SF119A-QS1-04020S	119.6	4	20
RX-SF119A-QS1-06018S	119.6	6	18
RX-SF119A-QS1-12012S	119.6	12	12
RX-SF119A-QS1-18006S	119.6	18	6
RX-SF119A-QS1-24000S	119.6	24	-
RX-SF119A-QS1-00030S	142.4	-	30
RX-SF119A-QS1-06024S	142.4	6	24
RX-SF119A-QS1-12018S	142.4	12	18
RX-SF119A-QS1-18012S	142.4	18	12
RX-SF119A-QS1-24006S	142.4	24	6
RX-SF119A-QS1-30000S	142.4	30	-

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF119A-QS1-00036S	165.2	-	36
RX-SF119A-QS1-06030S	165.2	6	30
RX-SF119A-QS1-12024S	165.2	12	24
RX-SF119A-QS1-36000S	165.2	36	-
RX-SF119A-QS1-00042S	188	-	42
RX-SF119A-QS1-06036S	188	6	36
RX-SF119A-QS1-12030S	188	12	30
RX-SF119A-QS1-00048S	210.8	-	48
RX-SF119A-QS1-06042S	210.8	6	42
RX-SF119A-QS1-09039S	210.8	9	39
RX-SF119A-QS1-12036S	210.8	12	36
RX-SF119A-QS1-18030S	210.8	18	30
RX-SF119A-QS1-24024S	210.8	24	24
RX-SF119A-QS1-00060S	256.4	-	60
RX-SF119A-QS1-06054S	256.4	6	54
RX-SF119A-QS1-09051S	256.4	9	51
RX-SF119A-QS1-12048S	256.4	12	48
RX-SF119A-QS1-00072S	312	-	72
RX-SF119A-QS1-06066S	312	6	66
RX-SF119A-QS1-12060S	312	12	60
RX-SF119A-QS1-24048S	312	24	48
RX-SF119A-QS1-36036S	312	36	36
RX-SF119A-QS1-00084S	367.6	-	84
RX-SF119A-QS1-12072S	367.6	12	72
RX-SF119A-QS1-24060S	367.6	24	60
RX-SF119A-QS1-36048S	367.6	36	48
RX-SF119A-QS1-00096S	413.2	-	96
RX-SF119A-QS1-12084S	413.2	12	84
RX-SF119A-QS1-24072S	413.2	24	72
RX-SF119A-QS1-36060S	413.2	36	60
RX-SF119A-QS1-42054S	413.2	42	54
RX-SF119A-QS1-00108S	458.8	-	108
RX-SF119A-QS1-12096S	458.8	12	96
RX-SF119A-QS1-24084S	458.8	24	84
RX-SF119A-QS1-36072S	458.8	36	72
RX-SF119A-QS1-48060S	458.8	48	60

RX-SF119B

Stator Flange Slip Ring

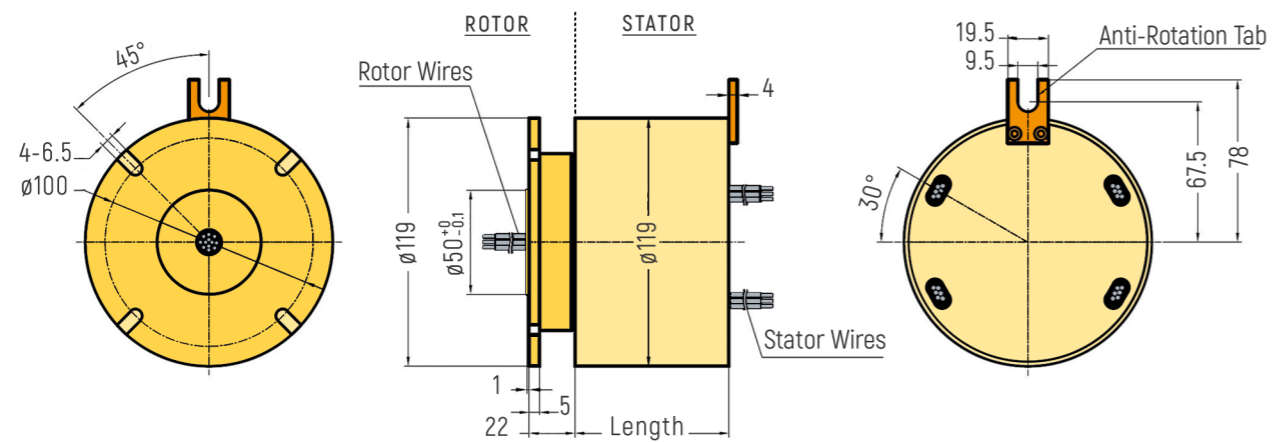


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF119B-QS1-00002S	36	-	2
RX-SF119B-QS1-02000S	36	2	-
RX-SF119B-QS1-00003S	39.8	-	3
RX-SF119B-QS1-03000S	39.8	3	-
RX-SF119B-QS1-00006S	51.2	-	6
RX-SF119B-QS1-02004S	51.2	2	4
RX-SF119B-QS1-04002S	51.2	4	2
RX-SF119B-QS1-06000S	51.2	6	-
RX-SF119B-QS1-00012S	74	-	12
RX-SF119B-QS1-02010S	74	2	10
RX-SF119B-QS1-03009S	74	3	9
RX-SF119B-QS1-06006S	74	6	6
RX-SF119B-QS1-08004S	74	8	4
RX-SF119B-QS1-10002S	74	10	2
RX-SF119B-QS1-12000S	74	12	-
RX-SF119B-QS1-00018S	96.8	-	18
RX-SF119B-QS1-02016S	96.8	2	16
RX-SF119B-QS1-04014S	96.8	4	14
RX-SF119B-QS1-06012S	96.8	6	12
RX-SF119B-QS1-08010S	96.8	8	10
RX-SF119B-QS1-10008S	96.8	10	8
RX-SF119B-QS1-12006S	96.8	12	6
RX-SF119B-QS1-14004S	96.8	14	4
RX-SF119B-QS1-16002S	96.8	16	2
RX-SF119B-QS1-00024S	119.6	-	24
RX-SF119B-QS1-04020S	119.6	4	20
RX-SF119B-QS1-06018S	119.6	6	18
RX-SF119B-QS1-12012S	119.6	12	12
RX-SF119B-QS1-18006S	119.6	18	6
RX-SF119B-QS1-24000S	119.6	24	-
RX-SF119B-QS1-00030S	142.4	-	30
RX-SF119B-QS1-06024S	142.4	6	24
RX-SF119B-QS1-12018S	142.4	12	18
RX-SF119B-QS1-18012S	142.4	18	12
RX-SF119B-QS1-24006S	142.4	24	6
RX-SF119B-QS1-30000S	142.4	30	-

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-SF119B-QS1-00036S	165.2	-	36
RX-SF119B-QS1-06030S	165.2	6	30
RX-SF119B-QS1-12024S	165.2	12	24
RX-SF119B-QS1-36000S	165.2	36	-
RX-SF119B-QS1-00042S	188	-	42
RX-SF119B-QS1-06036S	188	6	36
RX-SF119B-QS1-12030S	188	12	30
RX-SF119B-QS1-00048S	210.8	-	48
RX-SF119B-QS1-06042S	210.8	6	42
RX-SF119B-QS1-09039S	210.8	9	39
RX-SF119B-QS1-12036S	210.8	12	36
RX-SF119B-QS1-18030S	210.8	18	30
RX-SF119B-QS1-24024S	210.8	24	24
RX-SF119B-QS1-00060S	256.4	-	60
RX-SF119B-QS1-06054S	256.4	6	54
RX-SF119B-QS1-09051S	256.4	9	51
RX-SF119B-QS1-12048S	256.4	12	48
RX-SF119B-QS1-00072S	312	-	72
RX-SF119B-QS1-06066S	312	6	66
RX-SF119B-QS1-12060S	312	12	60
RX-SF119B-QS1-24048S	312	24	48
RX-SF119B-QS1-36036S	312	36	36
RX-SF119B-QS1-00084S	367.6	-	84
RX-SF119B-QS1-12072S	367.6	12	72
RX-SF119B-QS1-24060S	367.6	24	60
RX-SF119B-QS1-36048S	367.6	36	48
RX-SF119B-QS1-00096S	413.2	-	96
RX-SF119B-QS1-12084S	413.2	12	84
RX-SF119B-QS1-24072S	413.2	24	72
RX-SF119B-QS1-36060S	413.2	36	60
RX-SF119B-QS1-42054S	413.2	42	54
RX-SF119B-QS1-00108S	458.8	-	108
RX-SF119B-QS1-12096S	458.8	12	96
RX-SF119B-QS1-24084S	458.8	24	84
RX-SF119B-QS1-36072S	458.8	36	72
RX-SF119B-QS1-48060S	458.8	48	60

RX-RF119A

Rotor Flange Slip Ring

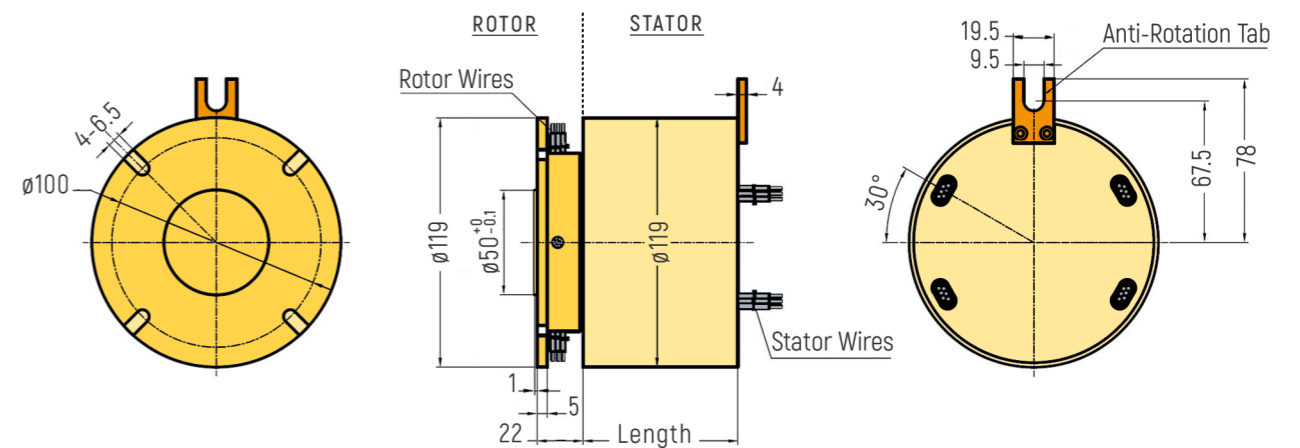


MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF119A-QS1-00002S	36	-	2
RX-RF119A-QS1-02000S	36	2	-
RX-RF119A-QS1-00003S	39.8	-	3
RX-RF119A-QS1-03000S	39.8	3	-
RX-RF119A-QS1-00006S	51.2	-	6
RX-RF119A-QS1-02004S	51.2	2	4
RX-RF119A-QS1-04002S	51.2	4	2
RX-RF119A-QS1-06000S	51.2	6	-
RX-RF119A-QS1-00012S	74	-	12
RX-RF119A-QS1-02010S	74	2	10
RX-RF119A-QS1-03009S	74	3	9
RX-RF119A-QS1-06006S	74	6	6
RX-RF119A-QS1-08004S	74	8	4
RX-RF119A-QS1-10002S	74	10	2
RX-RF119A-QS1-12000S	74	12	-
RX-RF119A-QS1-00018S	96.8	-	18
RX-RF119A-QS1-02016S	96.8	2	16
RX-RF119A-QS1-04014S	96.8	4	14
RX-RF119A-QS1-06012S	96.8	6	12
RX-RF119A-QS1-08010S	96.8	8	10
RX-RF119A-QS1-10008S	96.8	10	8
RX-RF119A-QS1-12006S	96.8	12	6
RX-RF119A-QS1-14004S	96.8	14	4
RX-RF119A-QS1-16002S	96.8	16	2
RX-RF119A-QS1-00024S	119.6	-	24
RX-RF119A-QS1-04020S	119.6	4	20
RX-RF119A-QS1-06018S	119.6	6	18
RX-RF119A-QS1-12012S	119.6	12	12
RX-RF119A-QS1-18006S	119.6	18	6
RX-RF119A-QS1-24000S	119.6	24	-
RX-RF119A-QS1-00030S	142.4	-	30
RX-RF119A-QS1-06024S	142.4	6	24
RX-RF119A-QS1-12018S	142.4	12	18
RX-RF119A-QS1-18012S	142.4	18	12
RX-RF119A-QS1-24006S	142.4	24	6
RX-RF119A-QS1-30000S	142.4	30	-

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF119A-QS1-00036S	165.2	-	36
RX-RF119A-QS1-06030S	165.2	6	30
RX-RF119A-QS1-12024S	165.2	12	24
RX-RF119A-QS1-36000S	165.2	36	-
RX-RF119A-QS1-00042S	188	-	42
RX-RF119A-QS1-06036S	188	6	36
RX-RF119A-QS1-12030S	188	12	30
RX-RF119A-QS1-00048S	210.8	-	48
RX-RF119A-QS1-06042S	210.8	6	42
RX-RF119A-QS1-09039S	210.8	9	39
RX-RF119A-QS1-12036S	210.8	12	36
RX-RF119A-QS1-18030S	210.8	18	30
RX-RF119A-QS1-24024S	210.8	24	24
RX-RF119A-QS1-00060S	256.4	-	60
RX-RF119A-QS1-06054S	256.4	6	54
RX-RF119A-QS1-09051S	256.4	9	51
RX-RF119A-QS1-12048S	256.4	12	48
RX-RF119A-QS1-00072S	312	-	72
RX-RF119A-QS1-06066S	312	6	66
RX-RF119A-QS1-12060S	312	12	60
RX-RF119A-QS1-24048S	312	24	48
RX-RF119A-QS1-36036S	312	36	36
RX-RF119A-QS1-00084S	367.6	-	84
RX-RF119A-QS1-12072S	367.6	12	72
RX-RF119A-QS1-24060S	367.6	24	60
RX-RF119A-QS1-36048S	367.6	36	48
RX-RF119A-QS1-00096S	413.2	-	96
RX-RF119A-QS1-12084S	413.2	12	84
RX-RF119A-QS1-24072S	413.2	24	72
RX-RF119A-QS1-36060S	413.2	36	60
RX-RF119A-QS1-42054S	413.2	42	54
RX-RF119A-QS1-00108S	458.8	-	108
RX-RF119A-QS1-12096S	458.8	12	96
RX-RF119A-QS1-24084S	458.8	24	84
RX-RF119A-QS1-36072S	458.8	36	72
RX-RF119A-QS1-48060S	458.8	48	60

RX-RF119B

Rotor Flange Slip Ring



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF119B-QS1-00002S	36	-	2
RX-RF119B-QS1-02000S	36	2	-
RX-RF119B-QS1-00003S	39.8	-	3
RX-RF119B-QS1-03000S	39.8	3	-
RX-RF119B-QS1-00006S	51.2	-	6
RX-RF119B-QS1-02004S	51.2	2	4
RX-RF119B-QS1-04002S	51.2	4	2
RX-RF119B-QS1-06000S	51.2	6	-
RX-RF119B-QS1-00012S	74	-	12
RX-RF119B-QS1-02010S	74	2	10
RX-RF119B-QS1-03009S	74	3	9
RX-RF119B-QS1-06006S	74	6	6
RX-RF119B-QS1-08004S	74	8	4
RX-RF119B-QS1-10002S	74	10	2
RX-RF119B-QS1-12000S	74	12	-
RX-RF119B-QS1-00018S	96.8	-	18
RX-RF119B-QS1-02016S	96.8	2	16
RX-RF119B-QS1-04014S	96.8	4	14
RX-RF119B-QS1-06012S	96.8	6	12
RX-RF119B-QS1-08010S	96.8	8	10
RX-RF119B-QS1-10008S	96.8	10	8
RX-RF119B-QS1-12006S	96.8	12	6
RX-RF119B-QS1-14004S	96.8	14	4
RX-RF119B-QS1-16002S	96.8	16	2
RX-RF119B-QS1-00024S	119.6	-	24
RX-RF119B-QS1-04020S	119.6	4	20
RX-RF119B-QS1-06018S	119.6	6	18
RX-RF119B-QS1-12012S	119.6	12	12
RX-RF119B-QS1-18006S	119.6	18	6
RX-RF119B-QS1-24000S	119.6	24	-
RX-RF119B-QS1-00030S	142.4	-	30
RX-RF119B-QS1-06024S	142.4	6	24
RX-RF119B-QS1-12018S	142.4	12	18
RX-RF119B-QS1-18012S	142.4	18	12
RX-RF119B-QS1-24006S	142.4	24	6
RX-RF119B-QS1-30000S	142.4	30	-

MODEL	LENGTH (mm)	NUMBER OF CIRCUITS	
		Power 10A	Signal / 5A
RX-RF119B-QS1-00036S	165.2	-	36
RX-RF119B-QS1-06030S	165.2	6	30
RX-RF119B-QS1-12024S	165.2	12	24
RX-RF119B-QS1-36000S	165.2	36	-
RX-RF119B-QS1-00042S	188	-	42
RX-RF119B-QS1-06036S	188	6	36
RX-RF119B-QS1-12030S	188	12	30
RX-RF119B-QS1-00048S	210.8	-	48
RX-RF119B-QS1-06042S	210.8	6	42
RX-RF119B-QS1-09039S	210.8	9	39
RX-RF119B-QS1-12036S	210.8	12	36
RX-RF119B-QS1-18030S	210.8	18	30
RX-RF119B-QS1-24024S	210.8	24	24
RX-RF119B-QS1-00060S	256.4	-	60
RX-RF119B-QS1-06054S	256.4	6	54
RX-RF119B-QS1-09051S	256.4	9	51
RX-RF119B-QS1-12048S	256.4	12	48
RX-RF119B-QS1-00072S	312	-	72
RX-RF119B-QS1-06066S	312	6	66
RX-RF119B-QS1-12060S	312	12	60
RX-RF119B-QS1-24048S	312	24	48
RX-RF119B-QS1-36036S	312	36	36
RX-RF119B-QS1-00084S	367.6	-	84
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RX-RF119B-QS1-36048S	367.6	36	48
RX-RF119B-QS1-00096S	413.2	-	96
RX-RF119B-QS1-12084S	413.2	12	84
RX-RF119B-QS1-24072S	413.2	24	72
RX-RF119B-QS1-36060S	413.2	36	60
RX-RF119B-QS1-42054S	413.2	42	54
RX-RF119B-QS1-00108S	458.8	-	108
RX-RF119B-QS1-12096S	458.8	12	96
RX-RF119B-QS1-24084S	458.8	24	84
RX-RF119B-QS1-36072S	458.8	36	72
RX-RF119B-QS1-48060S	458.8	48	60

Customized Slip Rings



HYBRID SLIP RING FOR WATER, POWER AND SIGNAL TRANSMISSION

- 12 x 10A power, 1 x gigabit Ethernet, 1 x water leadthrough
- Harting connector for power lines
- Housing material aluminium

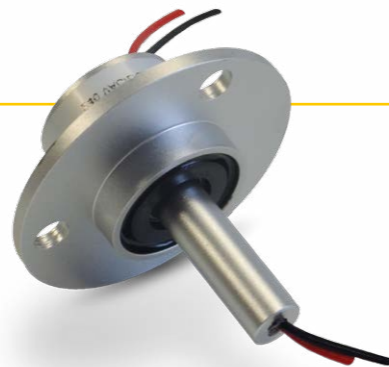


MEDIUM SIZE SLIP RING WITH MASSIVE FLANGE

- Axial cable outtake rotor, radial cable outtake stator
- Steel housing in customized color
- Special cable protection sleeve

MINIATURE METAL HOUSING WITH ELONGATED ROTOR SHAPE

- Special rotor design acc. to customer specification
- 4 x 2A signal rings
- Protection degree IP65



LARGE SLIP RING FOR MARITIME APPLICATIONS

- Outer diameter 14 meters, inner diameter 0.7 meters
- Housing material steel, color similar to maritime vessel
- Inspection porthole

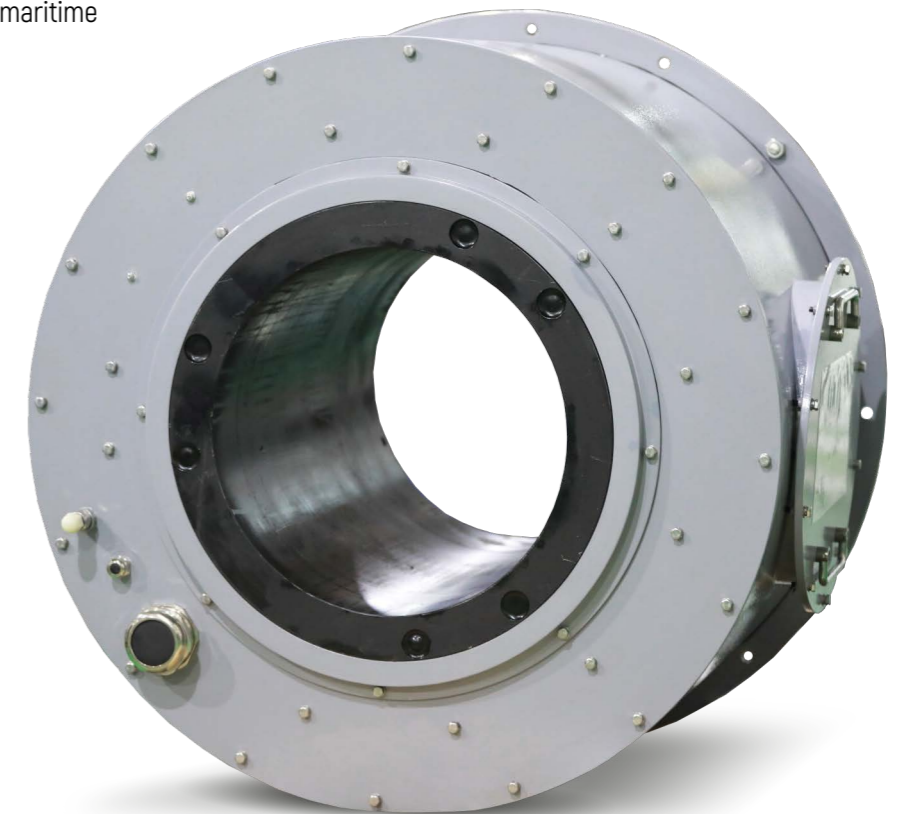
MEDIUM SIZE SLIP RING WITH MASSIVE FLANGE

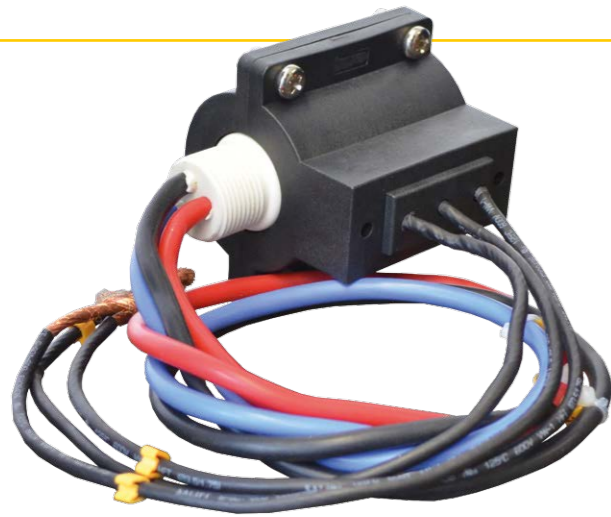
- Aluminium rotor flange with customized boreholes
- Flange thickness 13mm
- Protection degree IP65



HYBRID MEDIUM SIZE HOLLOW-SHAFT SLIP RING

- 10 x 10A signal transmission + EtherCat signals
- Massive housing for heavy-duty-applications
- Special flange and double-anti-rotation-tabs



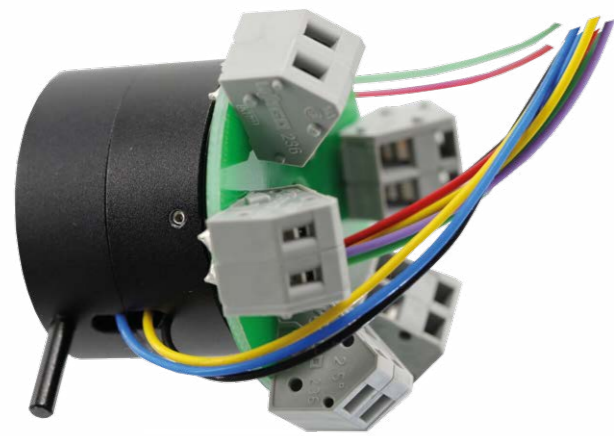


MINIATURE POWER SLIP RING WITH CUSTOMIZED HOUSING

- 3 x 63A power transmission on minimum space
- Special plastic housing
- Cable color code according to customer requirement

PANCAKE SLIP RING WITHOUT HOUSING

- Special diameter according to customer machine
- 2 rings for power transmission
- Brushholder with customized fixing holes and cable



MINIATURE SIZE SLIP RING WAGO CONNECTORS ON PCB

- 16 x 2A signal transmission
- Customized PCB with WAGO connectors for cable connection
- Special housing design with anti-rotation-bar

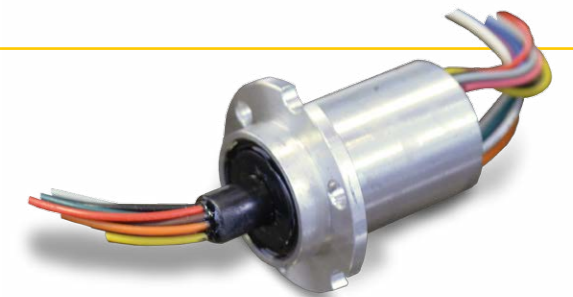
HYBRID MEDIUM SIZE SLIP RING WITH FIBER OPTIC AND COAX TRANSMISSION

- Customized housing shape with special rotor design
- Gearwheel teeth shape integrated in rotor design
- FORJ Fiber Optic + COAX transmission



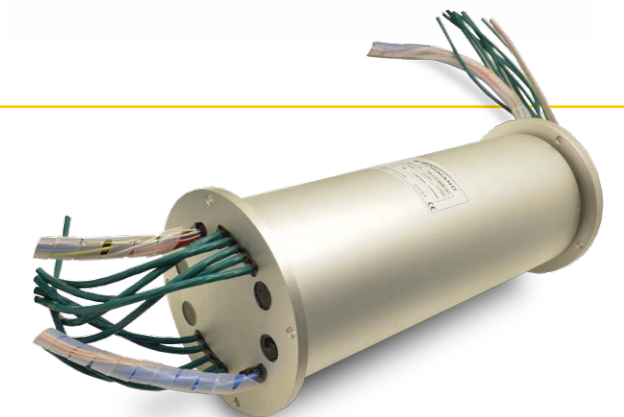
MINIATURE SLIP RING WITH CUSTOMIZED FLANGE

- 10 x 2A signal transmission
- Flange position and shape customized
- Cable color code according to customer requirement



LARGE METAL HOUSING WITH POWER / DATA TRANSMISSION

- Dimensions housing according to customer specification
- 86 Rings (63A, 32A, 16A, HD-SDI, EtherCat, Analogue)
- Special CAT7E data-cable with 10 meter length



MINIATURE SLIP RING WITH 128 RINGS

- Aluminium housing with rotor flange
- 128 signal rings for data transmission
- Protection degree IP65





SLIP RING WITH INTEGRATED CONNECTORS

- Customized fixation boreholes
- Customized connectors and cable with connectors
- Double anti-rotation-tab on stator side

MEDIUM SIZE HOLLOW-SHAFT SLIP RING WITH CONNECTORS

- 4 x customized connectors for signal transmission
- Aluminium housing with 150mm free inner diameter
- Housing without flange, axial cable outtakes



HYBRID MEDIUM SIZE SLIP RING WITH DOUBLE COAX LINE AND POWER TRANSMISSION

- Customized metal housing without flange
- 2 x COAX lines + several power rings
- Special cable protection sleeve and cable fixation

HYBRID MEDIUM SIZE SLIP RING WITH FIBER OPTIC AND POWER LINES

- Customized aluminium housing without flange
- FORJ Fiber Optic + power transmission
- Stainless steel rotor with cable protection sleeve



HYBRID MINIATURE SLIP RING FOR VIRTUAL REALITY APPLICATIONS

- Plastic housing with customized flange
- Power and data transmission by USB and HDMI
- Connectors on rotor and stator side for easy usage



Notes

Grid area for notes.

Request Form Slip Rings



Please fill in all fields below with as much information about your application as possible. Handing over maximum mechanical and electrical information available makes order creation easier for us. If available you can also provide circuit diagrams or 2D/3D files of the mounting position. If you have any questions about this form please contact us.

Company Name Contact

Address Position

..... Phone

City Post Code Fax

Country E-mail

Application area

Project name Annual qty (PCS)

New development Replacement existing solution Repair / maintenance

Application description (How does slip ring work):

.....

USING ENVIRONMENT

Indoor High vibration Temperature range

Outdoor High humidity IP degree (min.) Altitude

Other requirements:

MECHANICAL PERFORMANCE

Working speed rpm Installation method Horizontal Vertical

Max speed rpm Fixation Shaft Flange

Operating frequency Through-bore Yes No

Max. Outer Diameter mm Housing material

Min. Inner Diameter mm Max. pressure (air, liquid) Bar

Max. Length mm Wire length Rotor mm Wire length Stator mm

Other requirements:

(or drawings in attachment)

ELECTRICAL PERFORMANCE

No. of Rings	Current [amps]		Working Volts	Contact Material	Data Protocol (Fieldbus)	Gas / Fluidic Transmission	Others
	Normal	Max					

Signal requirements:



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