



ROTARX[®]

Hybrid Slip Rings

USB + ELECTRIC



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)
AUTOMATION SLIP RINGS	(32 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 - Ethernet + Electric	(34 pages)
HYBRID SLIP RINGS - Pneumatic / Liquid + Electric	(72 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)

CONTENT

THE COMPANY	4
SLIP RINGS TECHNOLOGY	6
SLIP RINGS APPLICATIONS	8
HYBRID SLIP RINGS, USB + Electric	10
- RX-USB001 Series	12
- RX-USB002 Series	13
- RX-USB121 Series	14
- RX-USB122 Series	15
- RX-USB251 Series	16
- RX-USB252 Series	17
- RX-USB381 Series	18
- RX-USB382 Series	19
- RX-USB501 Series	20
- RX-USB502 Series	21
CUSTOMIZED SLIP RINGS	22
NOTES	28
REQUEST FORM	29



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

B-COMMAND GmbH

Gruetzmuehlenweg 46
22339 DE Hamburg

T. +49 40-538092-50
F. +49 40-538092-85
E. info@rotarX.com
W. www.b-command.com
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.

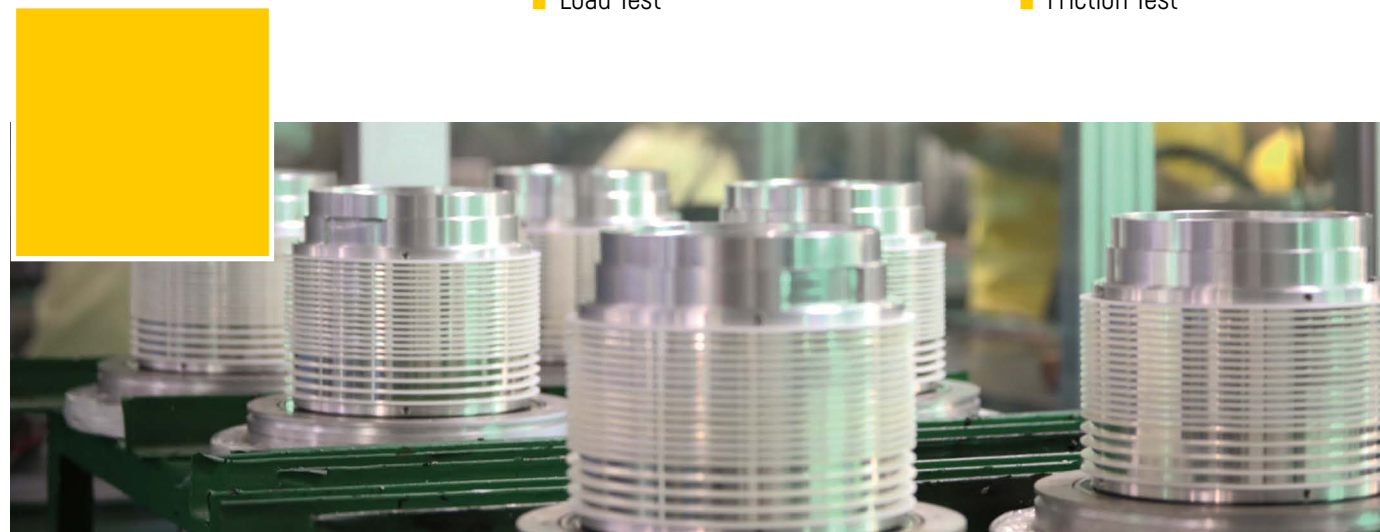


PREMIUM ENGINEERING

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:

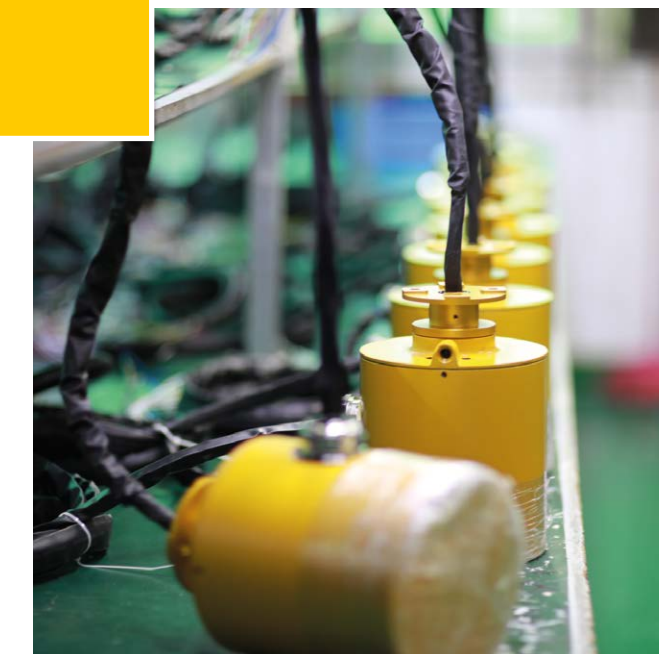
- | | | |
|--------------------------|-------------------------------|---------------------------|
| ■ Humidity Test | ■ High Pressure / Vacuum Test | ■ Electrical Noise Test |
| ■ Temperature Test | ■ Torque Test | ■ Contact Resistance Test |
| ■ Protection Degree Test | ■ High Voltage Test | ■ Lifetime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



ROTARX - MINIATURE SLIP RINGS

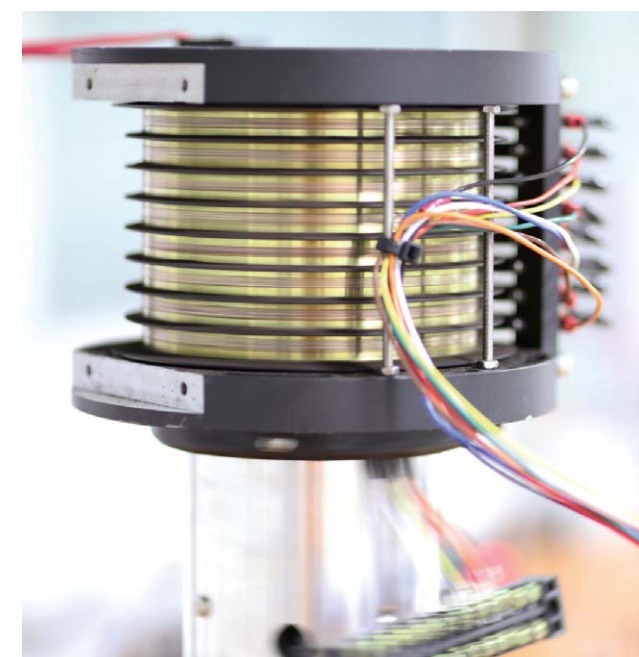
TOTAL QUALITY CONTROL

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.



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



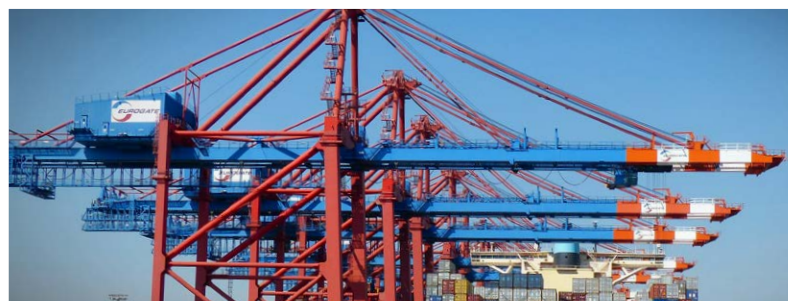
ROBOTIC TECHNOLOGY

- Production Robots
- Inspection Robots
- Packaging Robots



CAMERA TECHNOLOGY

- TV-Cameras
- Security Cameras
- Inspection Cameras



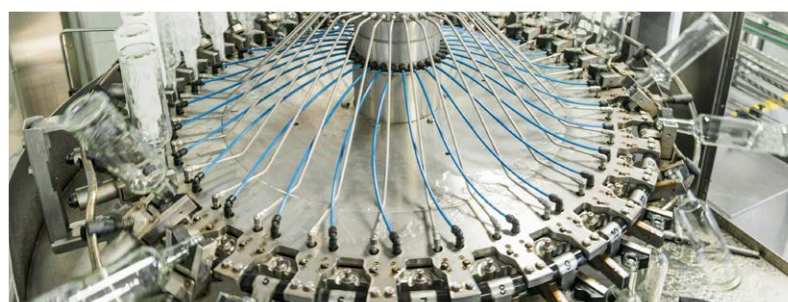
CRANE TECHNOLOGY

- Post Cranes
- Tower Cranes
- Mobile Cranes



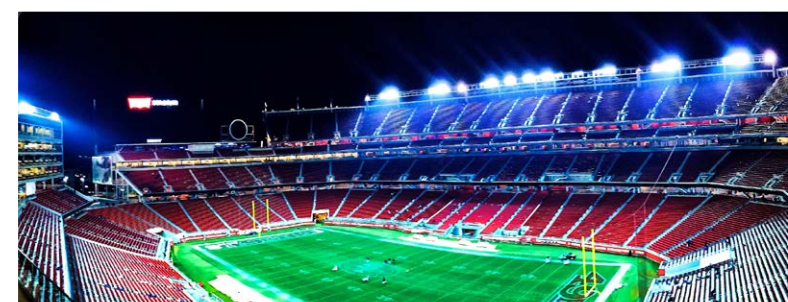
AMUSEMENT TECHNOLOGY

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



PACKAGING TECHNOLOGY

- Packaging Robots
- Filling Machines
- Capping Machines



STAGE TECHNOLOGY

- Rotating Stages
- Rotating Lights
- Revolving Platforms

RX-USB Series



USB Transmission

Signal & Power

Long Life

In modern commercial and industrial environment many machines and devices are communicating via industrial networks. One of the most used connection type of all times is the standard USB connection. In order to provide a fast and reliable solution for those connections, we created our hybrid USB + electric slip ring solution.

The hybrid USB slip rings can contain 1 or 2 USB lines with USB1.0 or USB2.0 connectors on both sides. Beside the USB lines the customer can choose between max. 16 power lines (max 10A or 20A) or up to 36 signal lines (max. 2A or 5A). The housing is made of robust aluminium and available as capsulated or through-bore version.

For electrical transmission hybrid slip rings combine the best advanced fiber brush technology and precious metal or gold-to-gold multi-contacting, they 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

- + USB1.0, USB2.0 (USB3.0 on request)
- + Combined Power & Signal Transmission
- + Small & Compact Design
- + Low Torque
- + Low Contact Resistance
- + Long Lifetime
- + Maintenance Free
- + 360° Continuous Rotation

MAIN APPLICATIONS

- > Virtual Reality
- > Camera Technology
- > Medical Treatment Technology
- > Office Applications
- > LED Lighting
- > Measuring Instruments
- > Automation Technology

PRODUCT CODE

RX	-	AAA	BB	C	-	DDD	E	-	FF	GG	S
		1	2	3		4	5		6	7	8

Example: RX-USB122-056-10610S
(1) Hybrid Slip Ring USB+Electric with (2) Inner Diameter approx. 12mm, (3) 1 USB passage, (4) Outer Diameter 56mm, (5) Power transmission 10A, (6) 6 rings for power transmission, (7) 10 rings for signal transmission, (8) Standard Version

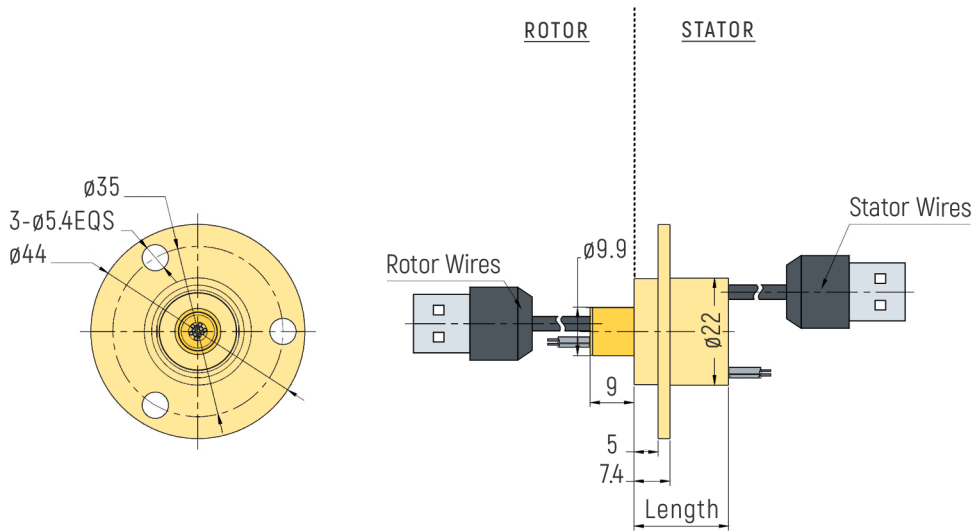
1	Series	USB - Hybrid Slip Rings USB+Electric	5	Power Level	0 - No Power transmission 1 - Power transmission 10A 2 - Power transmission 20A
2	Inner Diameter	From 12.7mm to 50mm (see drawings for details)	6	Number of Power Circuits	From 2 rings to 16 rings
3	Number USB passages	1 or 2	7	Number of Signal Circuits	From 2 rings to 34 rings
4	Outer Diameter	From 12mm to 119mm (see drawings for details)	8	Version	S - Standard C - Customized

SPECIFICATIONS

HYBRID USB+ELECTRIC SLIP RING SPECIFICATIONS				
NUMBER OF CIRCUITS	2-16 for power transmission		2-34 for signal transmission	
	1 or 2 passages for USB transmission			
USB SPECIFICATIONS				
USB	USB1.0, USB2.0			
CONNECTOR	USB TYPE-A female connector			
BER (BIT ERROR RATIO)	10 ⁻¹¹			
ELECTRICAL SPECIFICATIONS				
CURRENT RATING	Power transmission circuits:	10A or 20A (see product table for details)		
	Signal transmission circuits:	Types USB001 and USB002: 2A		All other types: 5A
VOLTAGE RATING	Power transmission circuits: 440VAC/DC			
ELECTRICAL NOISE	max 10mΩ			
INSULATION RESISTANCE	≥1000 MΩ @ 500 VDC			
LEAD CABLE SIZE	Power transmission circuits:	Types USB001 and USB002: No Power transmission; All other types: AWG16 Teflon		
	Signal transmission circuits:	Types USB001 and USB002: AWG28;		All other types: AWG22 Teflon
LEAD CABLE LENGTH	Standard 300mm (Rotor/Stator)			
DIELECTRIC STRENGTH	500VAC @ 50Hz, 60s			
MECHANICAL SPECIFICATIONS				
WORKING LIFE	Types USB001 and USB002: 10 Million Revs	All other types: 20 Million Revs		
ROTATING SPEED	Types USB001 and USB002: 0-250 rpm	All other types: 0-600 rpm		
TEMPERATURE RANGE	-30°C to +80°C			
OPERATING HUMIDITY	0~85% RH			
CONTACT MATERIAL	Gold-Gold			
HOUSING MATERIAL	Aluminium Alloy			
TORQUE	0.1N.m; +0.03N.m/6 rings			
PROTECTION DEGREE	IP51 (higher or lower on request)			

RX-USB001

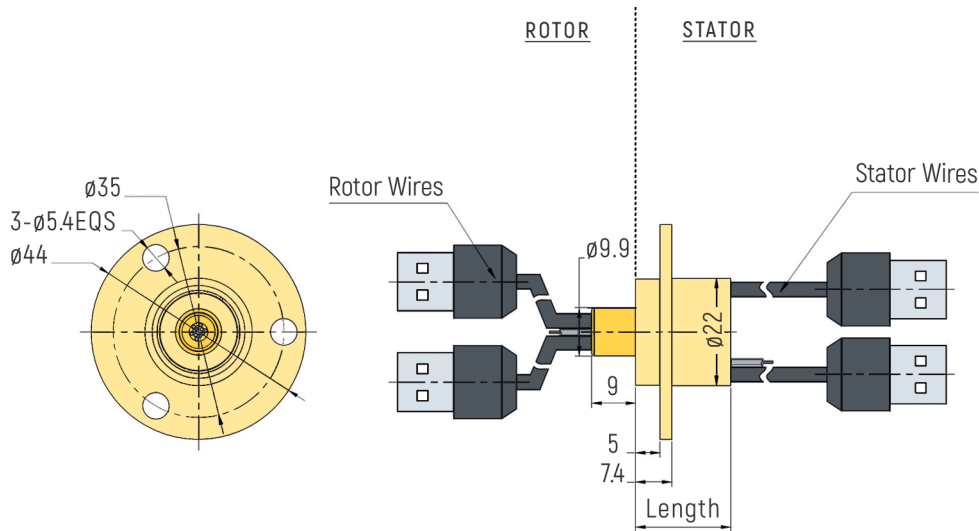
1 USB Passage



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB001-022-00002S	19	-	-	2	-	1
RX-USB001-022-00008S	26	-	-	8	-	1
RX-USB001-022-00014S	33	-	-	14	-	1
RX-USB001-022-00020S	43.6	-	-	20	-	1
RX-USB001-022-00032S	57.3	-	-	32	-	1

RX-USB002

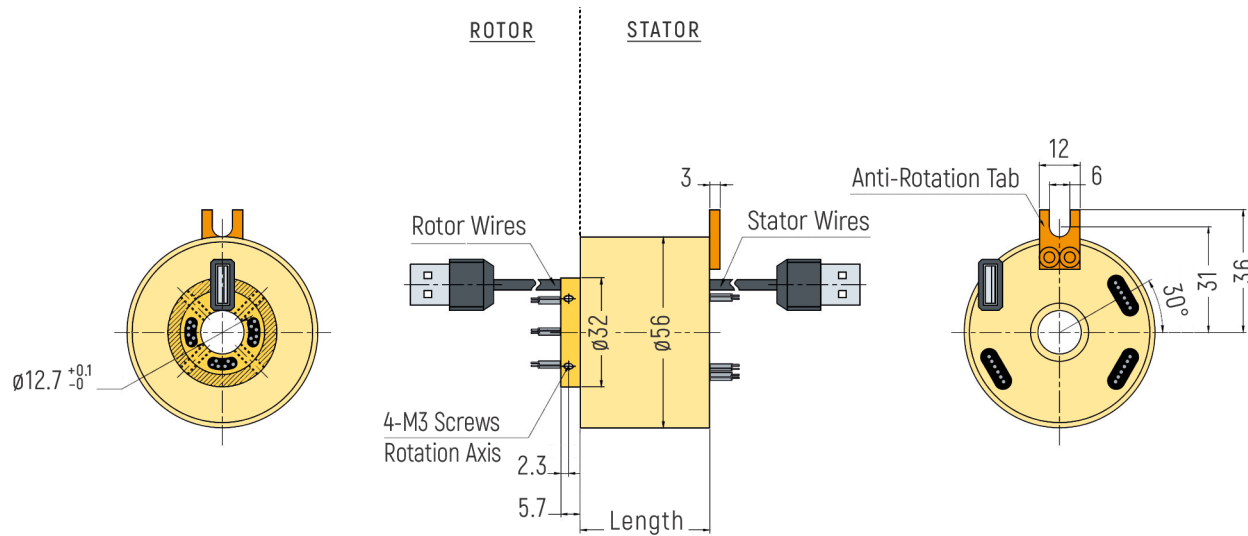
2 USB Passages



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB002-022-00004S	26	-	-	4	-	2
RX-USB002-022-00010S	33	-	-	10	-	2
RX-USB002-022-00016S	43.6	-	-	16	-	2
RX-USB002-022-00028S	57.3	-	-	28	-	2

RX-USB121

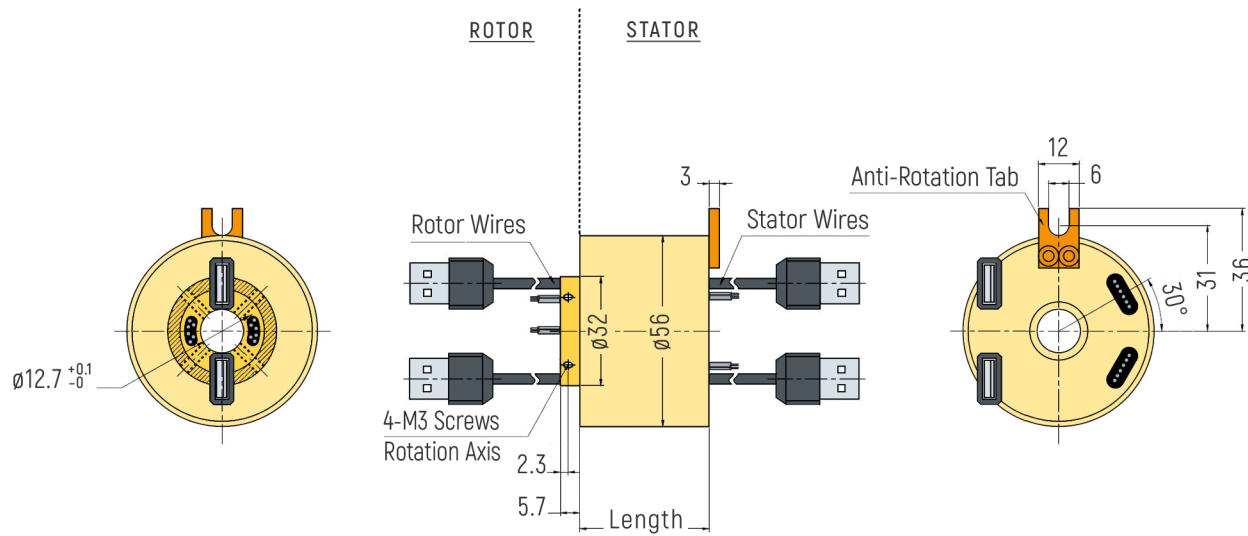
1 USB Passage



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB121-056-00002S	38	-	-	-	2	1
RX-USB121-056-10200S	38	2	-	-	-	1
RX-USB121-056-20400S	54.8	-	4	-	-	1
RX-USB121-056-00008S	54.8	-	-	-	8	1
RX-USB121-056-10206S	54.8	2	-	-	6	1
RX-USB121-056-10602S	54.8	6	-	-	2	1
RX-USB121-056-00014S	71.6	-	-	-	14	1
RX-USB121-056-11400S	71.6	14	-	-	-	1
RX-USB121-056-10410S	71.6	4	-	-	10	1
RX-USB121-056-10806S	71.6	8	-	-	6	1
RX-USB121-056-00020S	88.4	-	-	-	20	1
RX-USB121-056-00026S	105.2	-	-	-	26	1
RX-USB121-056-00032S	122	-	-	-	32	1

RX-USB122

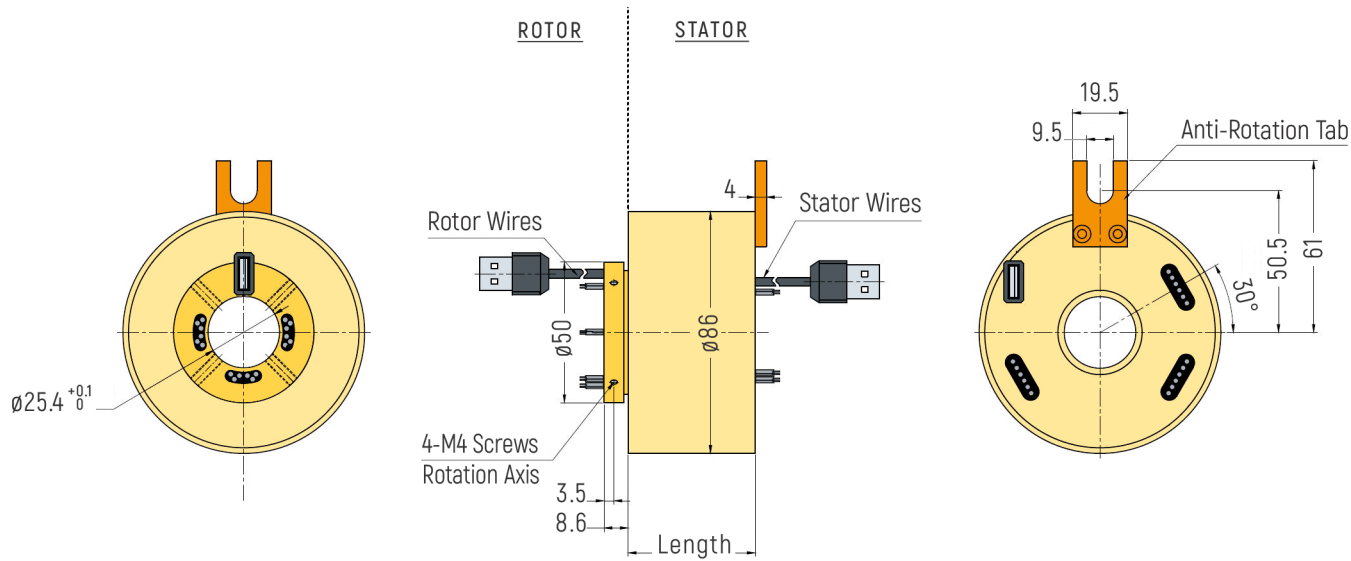
2 USB Passages



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB122-056-00004S	54.8	-	-	-	4	2
RX-USB122-056-10400S	54.8	4	-	-	-	2
RX-USB122-056-20400S	71.6	-	4	-	-	2
RX-USB122-056-00010S	71.6	-	-	-	10	2
RX-USB122-056-10208S	71.6	2	-	-	8	2
RX-USB122-056-10604S	71.6	6	-	-	4	2
RX-USB122-056-00016S	88.4	-	-	-	16	2
RX-USB122-056-11600S	88.4	16	-	-	-	2
RX-USB122-056-10610S	88.4	6	-	-	10	2
RX-USB122-056-11006S	88.4	10	-	-	6	2
RX-USB122-056-00022S	105.2	-	-	-	22	2
RX-USB122-056-00028S	122	-	-	-	28	2
RX-USB122-056-00034S	138.8	-	-	-	34	2

RX-USB251

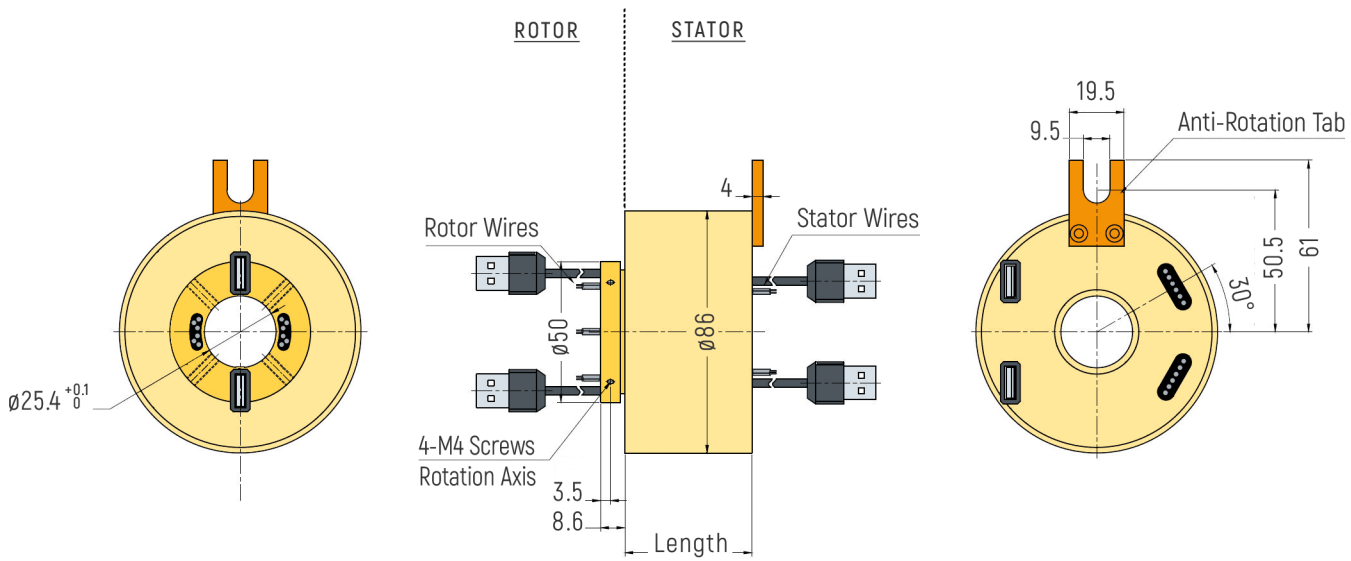
1 USB Passage



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB251-086-00002S	45.2	-	-	-	2	1
RX-USB251-086-10200S	45.2	2	-	-	-	1
RX-USB251-086-20400S	65.6	-	4	-	-	1
RX-USB251-086-00008S	65.6	-	-	-	8	1
RX-USB251-086-10206S	65.6	2	-	-	6	1
RX-USB251-086-10602S	65.6	6	-	-	2	1
RX-USB251-086-00014S	86	-	-	-	14	1
RX-USB251-086-11400S	86	14	-	-	-	1
RX-USB251-086-10410S	86	4	-	-	10	1
RX-USB251-086-10806S	86	8	-	-	6	1
RX-USB251-086-00020S	106.4	-	-	-	20	1
RX-USB251-086-00026S	126.8	-	-	-	26	1
RX-USB251-086-00032S	147.2	-	-	-	32	1

RX-USB252

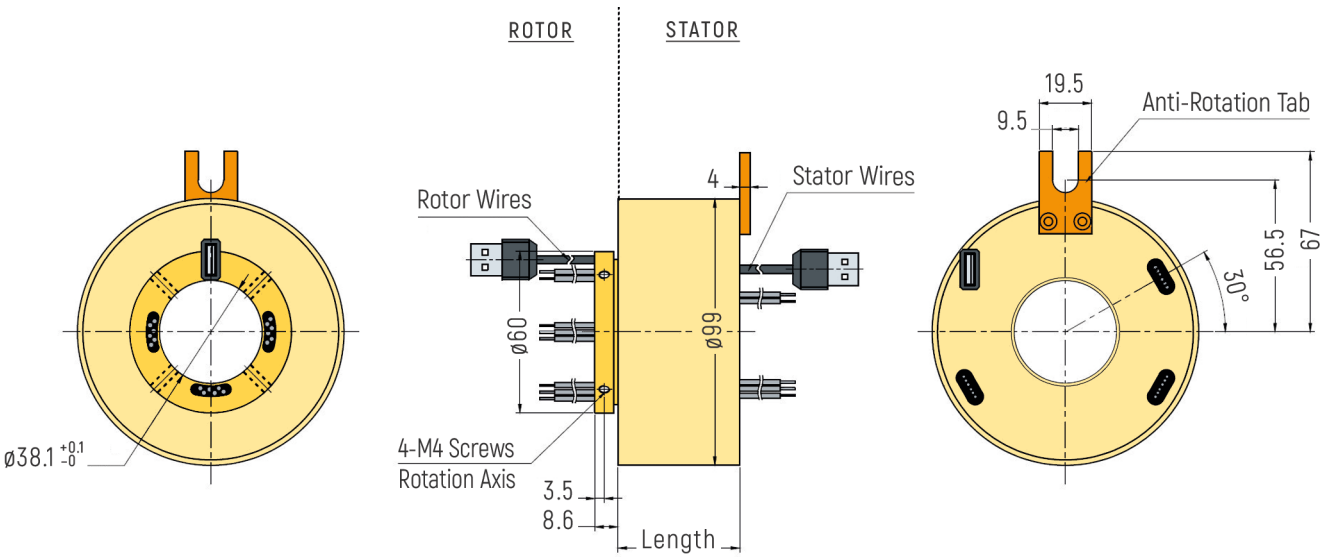
2 USB Passages



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB252-086-00004S	65.6	-	-	-	4	2
RX-USB252-086-10400S	65.6	4	-	-	-	2
RX-USB252-086-20400S	86	-	4	-	-	2
RX-USB252-086-00010S	86	-	-	-	10	2
RX-USB252-086-10208S	86	2	-	-	8	2
RX-USB252-086-10604S	86	6	-	-	4	2
RX-USB252-086-00016S	106.4	-	-	-	16	2
RX-USB252-086-11600S	106.4	16	-	-	-	2
RX-USB252-086-10610S	106.4	6	-	-	10	2
RX-USB252-086-11006S	106.4	10	-	-	6	2
RX-USB252-086-00022S	126.8	-	-	-	22	2
RX-USB252-086-00028S	147.2	-	-	-	28	2
RX-USB252-086-00034S	167.6	-	-	-	34	2

RX-USB381

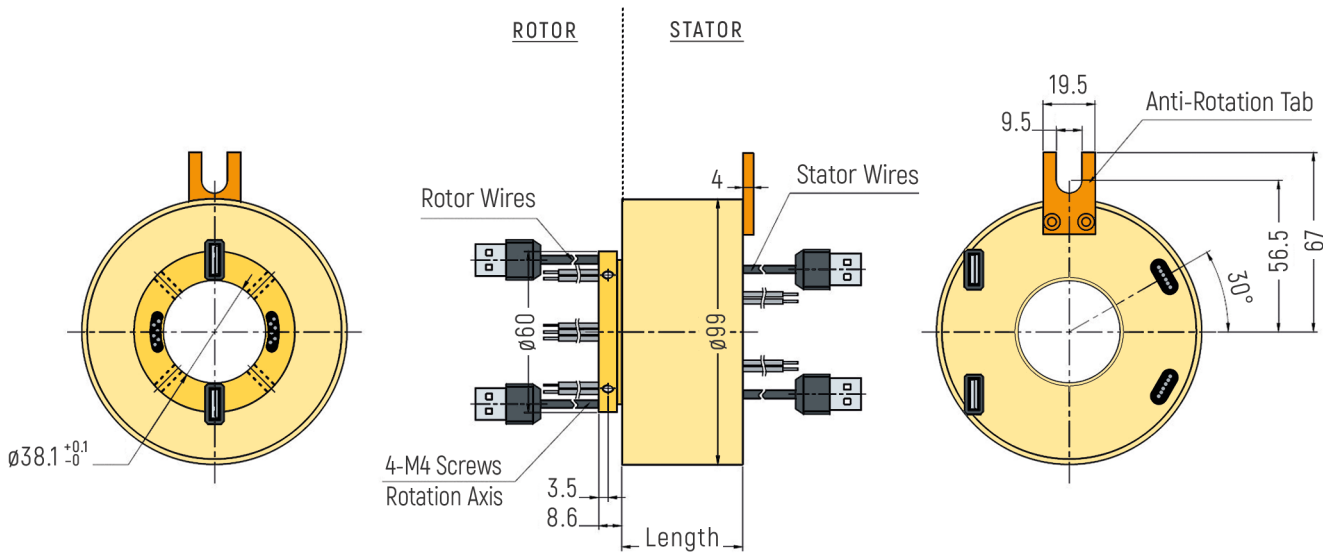
1 USB Passage



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB381-099-00002S	45.2	-	-	-	2	1
RX-USB381-099-10200S	45.2	2	-	-	-	1
RX-USB381-099-20400S	65.6	-	4	-	-	1
RX-USB381-099-00008S	65.6	-	-	-	8	1
RX-USB381-099-10206S	65.6	2	-	-	6	1
RX-USB381-099-10602S	65.6	6	-	-	2	1
RX-USB381-099-00014S	86	-	-	-	14	1
RX-USB381-099-11400S	86	14	-	-	-	1
RX-USB381-099-10410S	86	4	-	-	10	1
RX-USB381-099-10806S	86	8	-	-	6	1
RX-USB381-099-00020S	106.4	-	-	-	20	1
RX-USB381-099-00026S	126.8	-	-	-	26	1
RX-USB381-099-00032S	147.2	-	-	-	32	1

RX-USB382

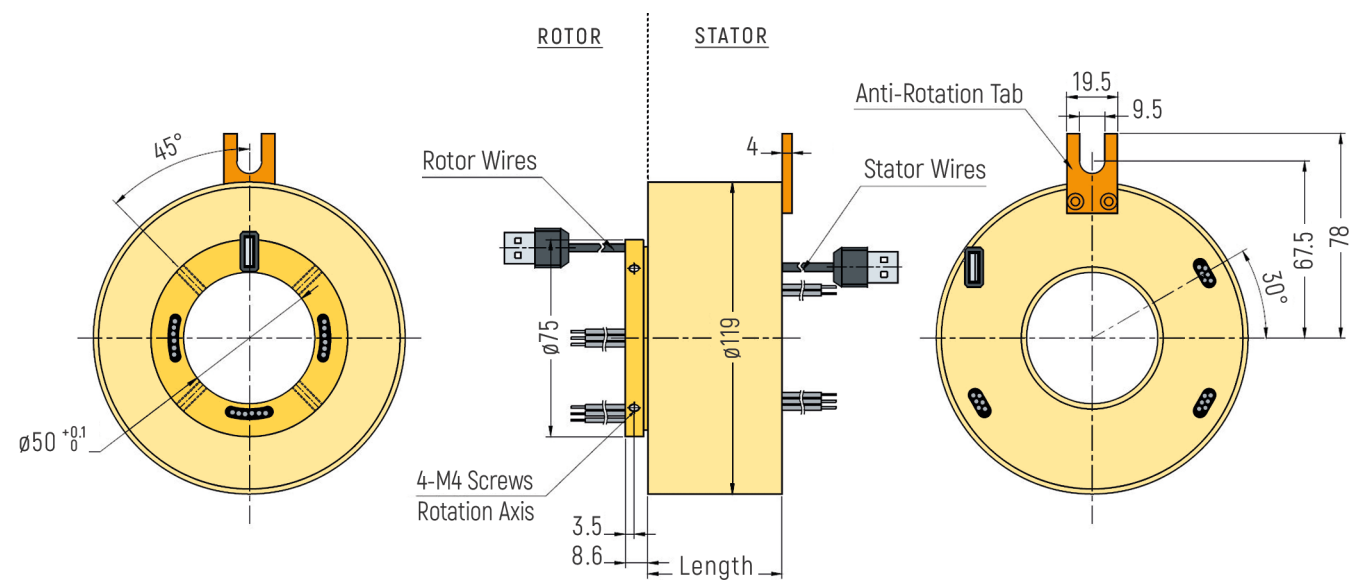
2 USB Passages



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB382-099-00004S	65.6	-	-	-	4	2
RX-USB382-099-10400S	65.6	4	-	-	-	2
RX-USB382-099-20400S	86	-	4	-	-	2
RX-USB382-099-00010S	86	-	-	-	10	2
RX-USB382-099-10208S	86	2	-	-	8	2
RX-USB382-099-10604S	86	6	-	-	4	2
RX-USB382-099-00016S	106.4	-	-	-	16	2
RX-USB382-099-11600S	106.4	16	-	-	-	2
RX-USB382-099-10610S	106.4	6	-	-	10	2
RX-USB382-099-11006S	106.4	10	-	-	6	2
RX-USB382-099-00022S	126.8	-	-	-	22	2
RX-USB382-099-00028S	147.2	-	-	-	28	2
RX-USB382-099-00034S	167.6	-	-	-	34	2

RX-USB501

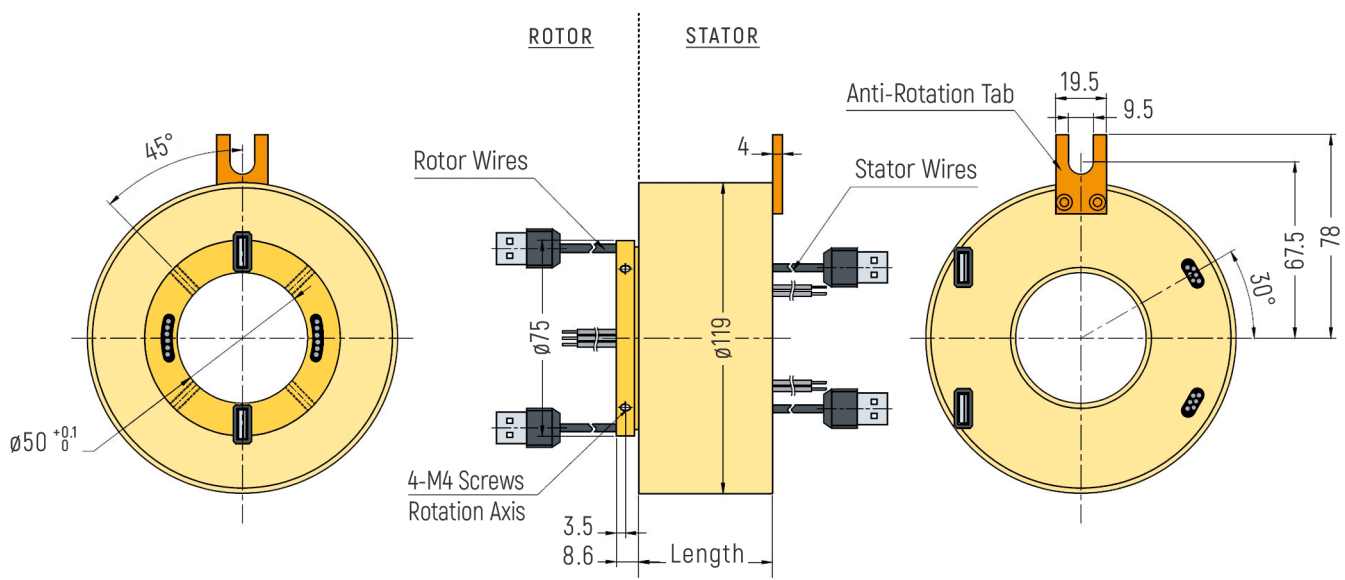
1 USB Passage



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB501-119-00002S	51.2	-	-	-	2	1
RX-USB501-119-10200S	51.2	2	-	-	-	1
RX-USB501-119-20400S	74	-	4	-	-	1
RX-USB501-119-00008S	74	-	-	-	8	1
RX-USB501-119-10206S	74	2	-	-	6	1
RX-USB501-119-10602S	74	6	-	-	2	1
RX-USB501-119-00014S	96.8	-	-	-	14	1
RX-USB501-119-11400S	96.8	14	-	-	-	1
RX-USB501-119-10410S	96.8	4	-	-	10	1
RX-USB501-119-10806S	96.8	8	-	-	6	1
RX-USB501-119-00020S	119.6	-	-	-	20	1
RX-USB501-119-00026S	142.4	-	-	-	26	1
RX-USB501-119-00032S	165.2	-	-	-	32	1

RX-USB502

2 USB Passages



MODEL	LENGTH (mm)	NUMBER OF CIRCUITS				USB
		Power 10A	Power 20A	Signal / 2A	Signal / 5A	
RX-USB502-119-00004S	74	-	-	-	4	2
RX-USB502-119-10400S	74	4	-	-	-	2
RX-USB502-119-20400S	96.8	-	4	-	-	2
RX-USB502-119-00010S	96.8	-	-	-	10	2
RX-USB502-119-10208S	96.8	2	-	-	8	2
RX-USB502-119-10604S	96.8	6	-	-	4	2
RX-USB502-119-00016S	119.6	-	-	-	16	2
RX-USB502-119-11600S	119.6	16	-	-	-	2
RX-USB502-119-10610S	119.6	6	-	-	10	2
RX-USB502-119-11006S	119.6	10	-	-	6	2
RX-USB502-119-00022S	142.4	-	-	-	22	2
RX-USB502-119-00028S	165.2	-	-	-	28	2
RX-USB502-119-00034S	188	-	-	-	34	2

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



MEDIUM SIZE SLIP RING WITH MASSIVE FLANGE

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



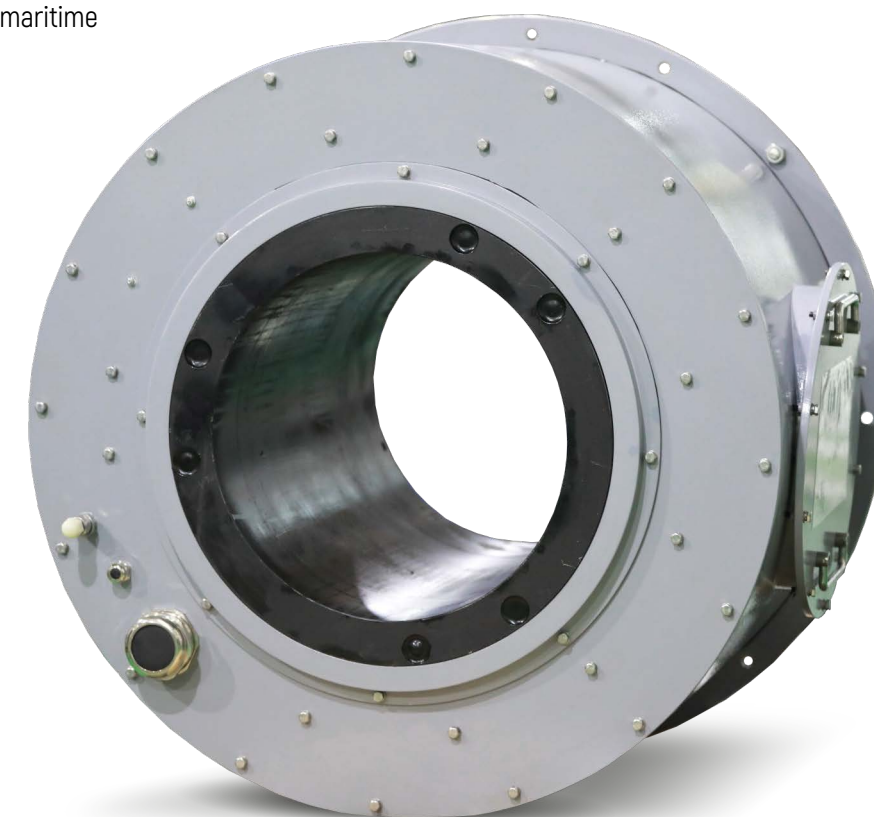
HYBRID MEDIUM SIZE HOLLOW-SHAFT SLIP RING

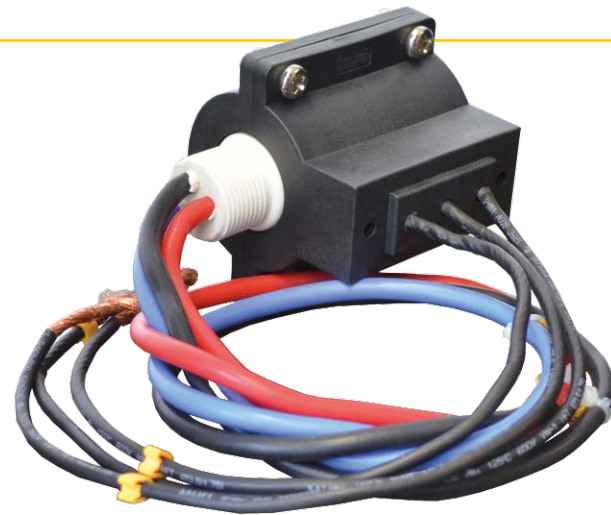
- 10 x 10A signal transmission + EtherCat signals
- Massive housing for heavy-duty-applications
- Special flange and double-anti-rotation-tabs



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



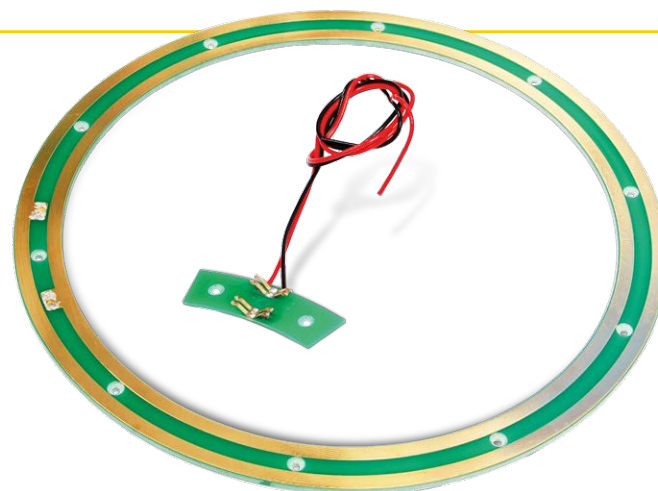


MINIATURE POWER SLIP RING WITH CUSTOMIZED HOUSING

- 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



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



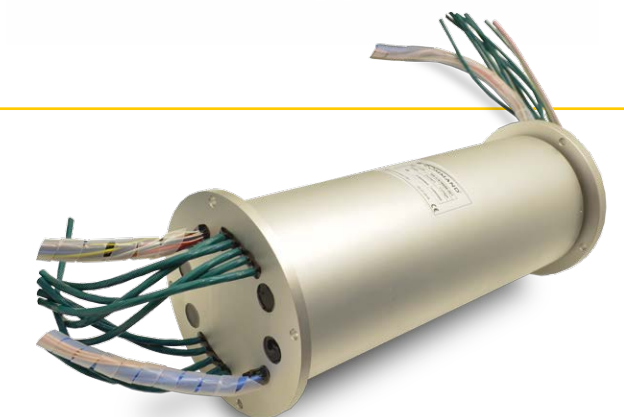
MINIATURE SLIP RING WITH CUSTOMIZED FLANGE

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



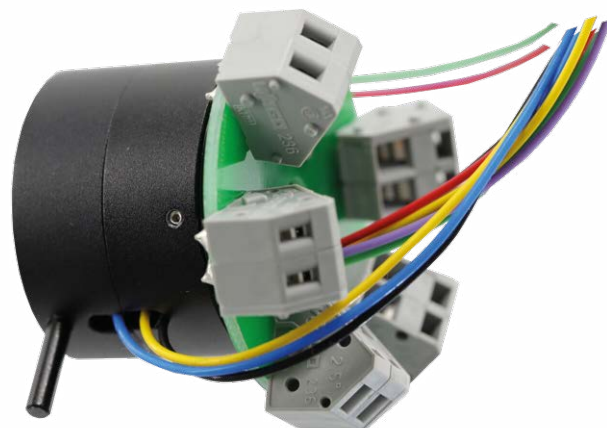
LARGE METAL HOUSING WITH POWER / DATA TRANSMISSION

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



MINIATURE 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



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



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

Address

City

Country

Contact

Position

Phone

Fax

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

☐ Outdoor

☐ High vibration

☐ High humidity

Temperature range

IP degree (min.)

Altitude

Other requirements:

MECHANICAL PERFORMANCE

Working speed

Max speed

Operating frequency

Max. Outer Diameter

Min. Inner Diameter

Max. Length

rpm

rpm

mm

mm

mm

Installation method

Fixation

Through-bore

Housing material

Max. pressure (air, liquid)

Wire length Rotor

☐ Horizontal

☐ Shaft

☐ Yes

Bar

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:



B-COMMAND GMBH

GRUETZMUEHLENWEG 46
22339 DE HAMBURG

PHONE +49 40-538092-50

FAX +49 40-538092-85

MAIL [INFO@ROTARX.COM](mailto:info@rotarx.com)

WWW.B-COMMAND.COM
WWW.ROTARX.COM

