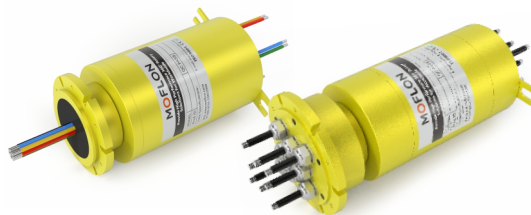


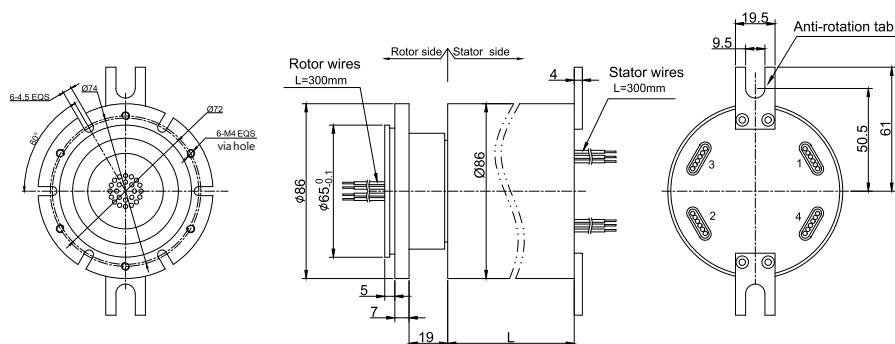
The NZ086 series rotor flange waterproof conductive slip rings refer to a series of waterproof slip rings with a rotor part of 86mm outer diameter and a connecting flange. These are solid slip rings suitable for installation on the flange end face.



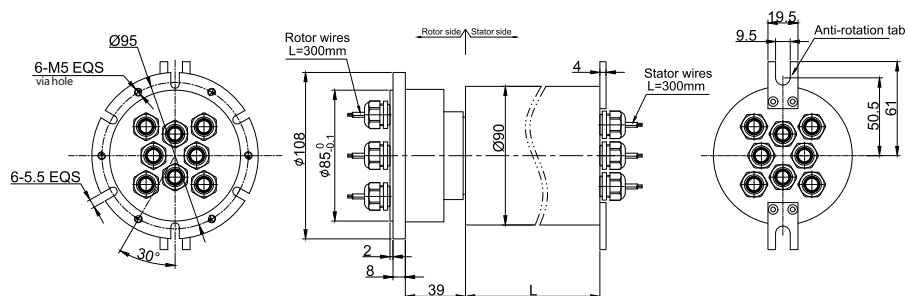
NZ 086-P 0610-S 06-IP66

NZ: Rotor flange waterproof electrical slip ring series code	IP66: Waterproof Rating
086: OD86mm	06:6 rings(0~5A/Ring)
P:power ring	S:Signal
0610:06-6rings;rated 0~10A/ring	

NZ086-IP66



NZ086-IP68



Part# List

Selection table for NZ086 series waterproof slip rings							
Part#	10A	Signal/5A	Length-L (mm)	Part#	10A	Signal/5A	Length-L (mm)
NZ086-S06-IP66	0	6	62.2	NZ086-S06-IP68	0	6	87.2
NZ086-P0610-IP66	6	0	62.2	NZ086-P0610-IP68	6	0	87.2
NZ086-S12-IP66	0	12	82.6	NZ086-S12-IP68	0	12	107.6
NZ086-P0610-S06-IP66	6	6	82.6	NZ086-P0610-S06-IP68	6	6	107.6
NZ086-P1210-IP66	12	0	82.6	NZ086-P1210-IP68	12	0	107.6
NZ086-S18-IP66	0	18	103	NZ086-S18-IP68	0	18	128
NZ086-P0610-S12-IP66	6	12	103	NZ086-P0610-S12-IP68	6	12	128
NZ086-P01210-S06-IP66	12	6	103	NZ086-P01210-S06-IP68	12	6	128
NZ086-P1810-IP66	18	0	103	NZ086-P1810-IP68	18	0	128
NZ086-S24-IP66	0	24	123.4	NZ086-S24-IP68	0	24	148.4
NZ086-P0610-S18-IP66	6	18	123.4	NZ086-P0610-S18-IP68	6	18	148.4
NZ086-P1210-S12-IP66	12	12	123.4	NZ086-P1210-S12-IP68	12	12	148.4
NZ086-P1810-S06-IP66	18	6	123.4	NZ086-P1810-S06-IP68	18	6	148.4
NZ086-P2410-IP66	24	0	123.4	NZ086-P2410-IP68	24	0	148.4
NZ086-S30-IP66	0	30	143.8	NZ086-S30-IP68	0	30	168.8
NZ086-P0610-S24-IP66	6	24	143.8	NZ086-P0610-S24-IP68	6	24	168.8
NZ086-P1210-S18-IP66	12	18	143.8	NZ086-P1210-S18-IP68	12	18	168.8
NZ086-P1810-S12-IP66	18	12	143.8	NZ086-P1810-S12-IP68	18	12	168.8
NZ086-P2410-S06-IP66	24	6	143.8	NZ086-P2410-S06-IP68	24	6	168.8
NZ086-P3010-IP66	30	0	143.8	NZ086-P3010-IP68	30	0	168.8
NZ086-S36-IP66	0	36	167.2	NZ086-S36-IP68	0	36	192.2
NZ086-P0610-S30-IP66	6	30	167.2	NZ086-P0610-S30-IP68	6	30	192.2
NZ086-P1210-S24-IP66	12	24	167.2	NZ086-P1210-S24-IP68	12	24	192.2
NZ086-P1810-S18-IP66	18	18	167.2	NZ086-P1810-S18-IP68	18	18	192.2
NZ086-P2410-S12-IP66	24	12	167.2	NZ086-P2410-S12-IP68	24	12	192.2
NZ086-P3010-S06-IP66	30	6	167.2	NZ086-P3010-S06-IP68	30	6	192.2
NZ086-P3610-IP66	36	0	167.2	NZ086-P3610-IP68	36	0	192.2
NZ086-S42-IP66	0	42	187.6	NZ086-S42-IP68	0	42	212.6
NZ086-P0610-S36-IP66	6	36	187.6	NZ086-P0610-S36-IP68	6	36	212.6
NZ086-P1210-S30-IP66	12	30	187.6	NZ086-P1210-S30-IP68	12	30	212.6
NZ086-P1810-S24-IP66	18	24	187.6	NZ086-P1810-S24-IP68	18	24	212.6
NZ086-P2410-S18-IP66	24	18	187.6	NZ086-P2410-S18-IP68	24	18	212.6
NZ086-P3010-S12-IP66	30	12	187.6	NZ086-P3010-S12-IP68	30	12	212.6
NZ086-P3610-S06-IP66	36	6	187.6	NZ086-P3610-S06-IP68	36	6	212.6
NZ086-P4210-IP66	42	0	187.6	NZ086-P4210-IP68	42	0	212.6
NZ086-S48-IP66	0	48	210.2	NZ086-S48-IP68	0	48	235.2
NZ086-P0610-S42-IP66	6	42	210.2	NZ086-P0610-S42-IP68	6	42	235.2
NZ086-P1210-S36-IP66	12	36	210.2	NZ086-P1210-S36-IP68	12	36	235.2
NZ086-P1810-S30-IP66	18	30	210.2	NZ086-P1810-S30-IP68	18	30	235.2
NZ086-P2410-S24-IP66	24	24	210.2	NZ086-P2410-S24-IP68	24	24	235.2
NZ086-P3010-S18-IP66	30	18	210.2	NZ086-P3010-S18-IP68	30	18	235.2
NZ086-P3610-S12-IP66	36	12	210.2	NZ086-P3610-S12-IP68	36	12	235.2
NZ086-P4210-S06-IP66	42	6	210.2	NZ086-P4210-S06-IP68	42	6	235.2
NZ086-P4810-IP66	48	0	210.2	NZ086-P4810-IP68	48	0	235.2
NZ086-S60-IP66	0	60	251	NZ086-S60-IP68	0	60	276
NZ086-P6010-IP66	60	0	251	NZ086-P6010-IP68	60	0	276

Note: N channels 10A rings parallel can be used as 1 channel N*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A, 10A, 5A (signal) can combine freely in any way. It can be customized based on standard slip ring, please contact customer service for more details.

Specifications

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~400VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Dielectric Strength	1mm ² Cable	0.2mm ² Cable
Lead Length	Standard 300mm (It can be adjusted according to requirements)	
Lead Wires	500VAC@50Hz, 60s	
Electrical Noise	< 0.01Ω	

Mechanical Data	
Parameter	Value
Rotating Speed	100RPM
Working Temperature	-30°C~80°C/-45°C~80°C(Military optional)
Operating Humidity	0~85% RH/0~97% RH(Military optional)
Housing Materia	0.1N.m; +0.03N.m/6rings
Rotational torque	Aluminum alloy / Aluminum alloy + Stainless steel
Protection Grade	IP66/IP68

Options for custom slip ring

Note: The following special requirements can be customized, with delivery times increasing by 3 to 15 days and costs increasing by 5% to 50%. Most of our basic components are standardized and modularized, and non-standard customization can also significantly reduce costs and delivery times.

- ① The outlet mode and length of the rotor and stator can be customized.
- ② Due to structural constraints, customization can be made according to specified length, height, or outer diameter.
- ③ Optional aviation plugs, terminals, and heat-shrink tubing are available.
- ④ Hybrid slip rings for servo system signals, power lines, and encoder lines from Yaskawa, Panasonic, Siemens, etc.
- ⑤ It supports mixed high-speed data transmission (including various industrial buses such as Ethernet, USB, RS232, Rs485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.).
- ⑥ Mixing of temperature control signals and thermocouple signals.
- ⑦ Customized for shockproof, high-temperature, and other special environments.
- ⑧ It can be integrated with pneumatic, hydraulic rotary joints to form a hybrid pneumatic-electric-hydraulic slip ring.
- ⑨ Military grade.
- ⑩ Requirements for stainless steel casing.

Technical support email: technical@moflon.com