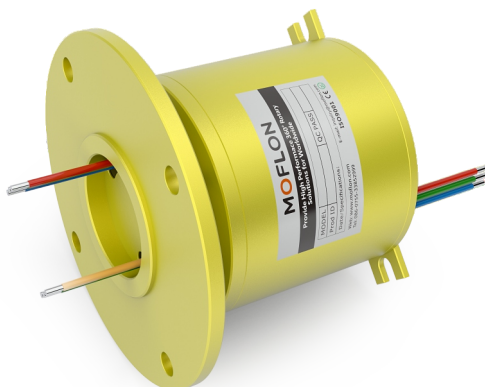


GZ Series Rotor Flange Slip Rings

The GZ series high-speed rotor flange slip rings are a collective term for a series of slip rings with connecting flanges on the rotor part, suitable for installation on the flange end face. Due to the ample internal space, these products facilitate internal wiring and special shielding module design, making them more stable and reliable. Typically, these products are used for customizing various sensitive signals or encoder signals.



Features

- Supports 1~54 channels of power supply lines or signal lines
- Precious metal contacts, precision bearings, no lubrication required
- Gold-plated ring + alloy brush (gold-plated)
- Ultra-low torque, low loss, high speed, high stability, and long lifespan
- Customizable high-speed conductive slip rings, high-speed slip rings, etc

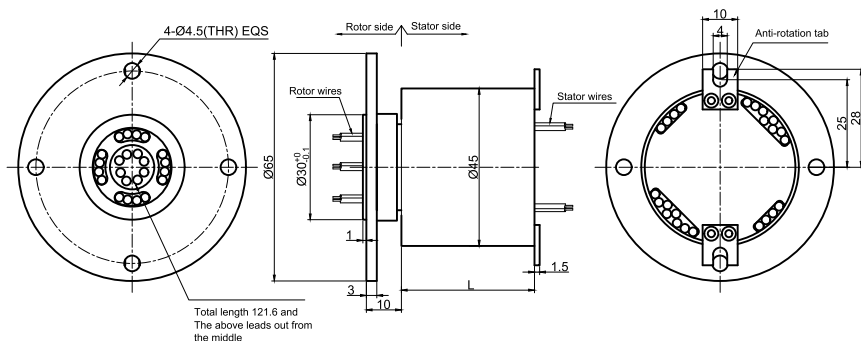
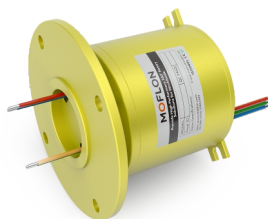
型号列表

Model#	OD(mm)	Circuit (Ring)	Current/ring (A)	Max voltage (VDC/VAC)
GZ045	45	1-54	Signal 2~ 20A	0-380

60% of MOFLON' s sales are customized solutions, please contact sales for more details.

GZ045 Series

The GZ045 series high-speed rotor flange conductive slip rings refer to a series of slip rings with a rotor part of 45MM outer diameter and a connecting flange, suitable for installation on the flange end face.



Part# Explanation

GZ 045 - P 0610-S 09

GZ: Code of high-speed rotor flange slip ring series
045: OD45mm
P: Power ring

09: 9Ring, 0~5A/Signal
S: Signal ring
0605: 6 Rings, range 0~10A/Ring

Part# List

GZ045 Series slip ring part# list									
Part#	20A	10A	Signal/5A	Length(mm)	Part#	20A	10A	Signal/5A	Length(mm)
GZ045-S09	0	0	9	40	GZ045-P1620	16	0	0	101.2
GZ045-P0610	0	6	0	40	GZ045-S45	0	0	45	121.6
GZ045-P0420	4	0	0	40	GZ045-P0610-S36	0	6	36	121.6
GZ045-S18	0	0	18	60.4	GZ045-P1210-S27	0	12	27	121.6
GZ045-P0610-S09	0	6	9	60.4	GZ045-P1810-S18	0	18	18	121.6
GZ045-P1210	0	12	0	60.4	GZ045-P2410-S09	0	24	9	121.6
GZ045-P0820	8	0	0	60.4	GZ045-P3010	0	30	0	121.6
GZ045-S27	0	0	27	80.8	GZ045-P2020	20	0	0	121.6
GZ045-P0610-S18	0	6	18	80.8	GZ045-S54	0	0	54	142
GZ045-P1210-S09	0	12	9	80.8	GZ045-P0610-S45	0	6	45	142
GZ045-P1810	0	18	0	80.8	GZ045-P1210-S36	0	12	36	142
GZ045-P1220	12	0	0	80.8	GZ045-P1810-S27	0	18	27	142
GZ045-S36	0	0	36	101.2	GZ045-P2410-S18	0	24	18	142
GZ045-P0610-S27	0	6	27	101.2	GZ045-P3010-S09	0	30	9	142
GZ045-P1210-S18	0	12	18	101.2	GZ045-P3610	0	36	0	142
GZ045-P1810-S09	0	18	9	101.2	GZ045-P2420	24	0	0	142
GZ045-P2410	0	24	0	101.2					

Specifications

Mechanical Data		Electrical Data		
Parameter	Value	Parameter	Value	
Working Life	100 Million Revs		Power	Signal
Rotating Speed	1-1800RPM	Rated Voltage	0~380VAC/VDC	0~240VAC/VDC
Working Temperature	-30°C~80°C / -45°C~80°C (Military optional)	Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Operating Humidity	0~85% RH / 0~97% RH (Military optional)	Lead Wire	AWG17#Teflon	AWG22#Teflon
Contact Material	precious metal	Lead Length	standard length300mm (adjustable)	
Housing Material	Aluminum alloy + engineering plastic	Insulating Strength	500VAC@50Hz,60s	
Torque	0.1N.M; +0.03N.M/6 Ring	Electrical Noise	< 0.03Ω	
Protection Grade	IP51			

Options for custom slip ring

Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- ① Cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
- ⑥ Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
- ⑦ Can combine temperature control signal with thermocouple signal.
- ⑧ Special environment can be customized, such as quakeproof, high temperature, etc.
- ⑨ Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- ⑩ High temperature can up to 500 degrees.
- ⑪ High pressure can up to 110KV
- ⑫ Rotating speed can up to 10000RPM
- ⑬ Maximum current can up to 5000 amperes.
- ⑭ Military grade
- ⑮ Optional for underwater IP65, IP68.
- ⑯ Optional for stainless steel housing

Technical support: technical@moflon.com