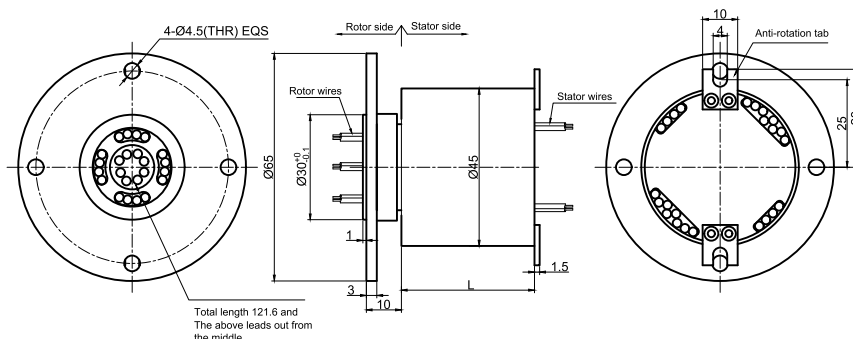
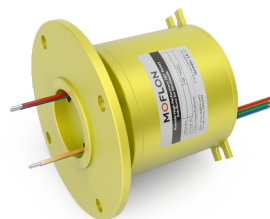


GZ045 Series

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	
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