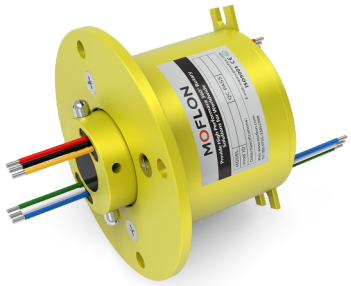
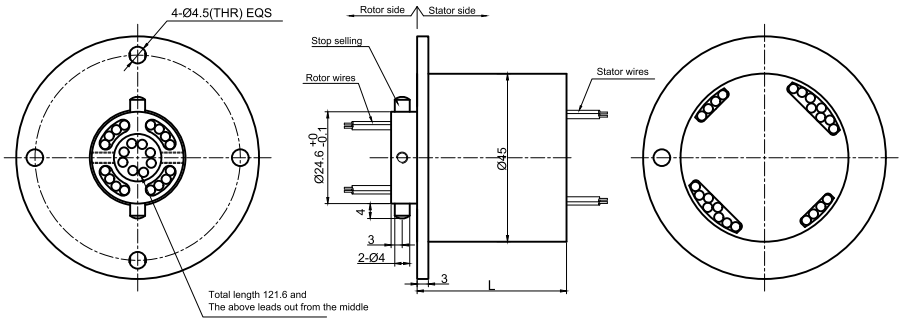
GG045 Series

The GG045 series high-speed stator flange conductive slip rings refer to a series of slip rings with a stator part and a connecting flange, with an outer diameter of 45MM, suitable for installation on the stator flange end face.





Part# Explanation

09:信号路数(每路0~5A)

GG 045 - P 0610 - S 09

GG: High-speed stator
Code of flange slip ring series

045: OD45mm

P: Power ring

9Ring,0~5A/Signal

S:Signal ring

0610: 6 Rings, range 0~10A/Ring

Part# List

GG045 Series slip ring part# list

Part#	20A	10A	Signal / 5A	Length（mm）	Part#	20A	10A	Signal / 5A	Length（mm）
GG045-S09	0	0	9	40	GG045-P1620	16	0	0	101.2
GG045-P0610	0	6	0	40	GG045-S45	0	0	45	121.6
GG045-P0420	4	0	0	40	GG045-P0610-S36	0	6	36	121.6
GG045-S18	0	0	18	60.4	GG045-P1210-S27	0	12	27	121.6
GG045-P0610-S09	0	6	9	60.4	GG045-P1810-S18	0	18	18	121.6
GG045-P1210	0	12	0	60.4	GG045-P2410-S09	0	24	9	121.6
GG045-P0820	8	0	0	60.4	GG045-P3010	0	30	0	121.6
GG045-S27	0	0	27	80.8	GG045-P2020	20	0	0	121.6
GG045-P0610-S18	0	6	18	80.8	GG045-S54	0	0	54	142
GG045-P1210-S09	0	12	9	80.8	GG045-P0610-S45	0	6	45	142
GG045-P1810	0	18	0	80.8	GG045-P1210-S36	0	12	36	142
GG045-P1220	12	0	0	80.8	GG045-P1810-S27	0	18	27	142
GG045-S36	0	0	36	101.2	GG045-P2410-S18	0	24	18	142
GG045-P0610-S27	0	6	27	101.2	GG045-P3010-S09	0	30	9	142
GG045-P1210-S18	0	12	18	101.2	GG045-P3610	0	36	0	142
GG045-P1810-S09	0	18	9	101.2	GG045-P2420	24	0	0	142
GG045-P2410	0	24	0	101.2					

Note: N 10A current loops connected in parallel can be used as a 1-channel N*10A current loop; for example, 2 loops of 10A connected in parallel can be used as a 1-channel 20A. If there are special requirements, please contact customer service for quick model selection and customization support.

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