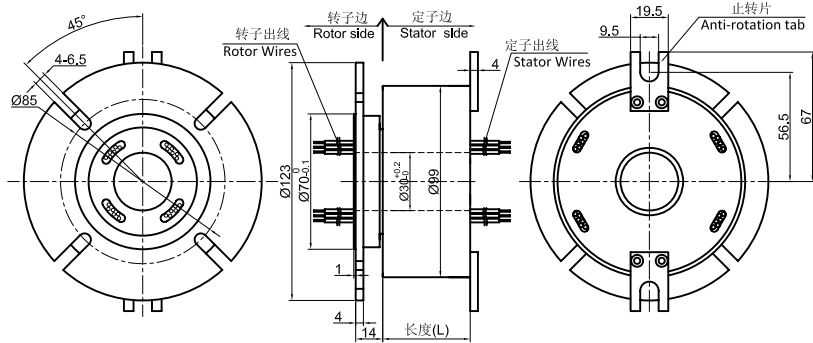


GT3099F Series

Rotor flange installation, outer diameter 99mm, through hole diameter 30mm, applicable to $\le 30\text{mm}$The standard series of integral precision conductive slip rings.

*Note: if the inner hole of <math>< 30\text{mm}</math> is needed, it can be solved by adding inner sleeve.



Part# Explanation

GT 3099F - P 06 10 - S 06

GT:High speed slip ring

3099:30-ID 30mm;99-OD 99mm

F:Rotor flange installation style

P:power ring

0610:06-6rings;10-rated 10A/ring

06:6 rings

S:signal(5A)

Part# List

GT3099F Series Parts# List							
Part#	10A	Signal/5A	Length-L(mm)	Part#	10A	Signal/5A	Length-L(mm)
GT3099F-S06	0	06	55.6	GT3099F-P1810-S12	18	12	151.8
GT3099F-P0210-S04	02	04	55.6	GT3099F-P2410-S06	24	06	151.8
GT3099F-P0410-S02	04	02	55.6	GT3099F-P3010	30	0	151.8
GT3099F-P0610	06	0	55.6	GT3099F-S36	0	36	174.6
GT3099F-S12	0	12	78.4	GT3099F-P0610-S30	06	30	174.6
GT3099F-P0210-S10	02	10	78.4	GT3099F-P1210-S24	12	24	174.6
GT3099F-P0310-S08	04	08	78.4	GT3099F-P1810-S18	18	18	174.6
GT3099F-P0610-S06	06	06	78.4	GT3099F-P2410-S12	24	12	174.6
GT3099F-P0810-S04	08	04	78.4	GT3099F-P3610	36	0	174.6
GT3099F-P1010-S02	10	02	78.4	GT3099F-S48	0	48	220.2
GT3099F-P1210	12	0	78.4	GT3099F-P0610-S42	06	42	220.2
GT3099F-S18	0	18	101.2	GT3099F-P1210-S36	12	36	220.2
GT3099F-P0210-S16	02	16	101.2	GT3099F-P1810-S30	18	30	220.2
GT3099F-P0410-S14	04	14	101.2	GT3099F-P2410-S24	24	24	220.2
GT3099F-P0610-S12	06	12	101.2	GT3099F-S60	0	60	270.8
GT3099F-P0810-S10	08	10	101.2	GT3099F-P0610-S54	06	54	270.8
GT3099F-P1010-S08	10	08	101.2	GT3099F-P1210-S48	12	48	270.8
GT3099F-P1210-S06	12	06	101.2	GT3099F-P0810-S42	18	42	270.8
GT3099F-P1410-S04	14	04	101.2	GT3099F-P2410-S36	24	36	270.8
GT3099F-P1610-S02	16	02	101.2	GT3099F-S72	0	72	316.4
GT3099F-S24	0	24	124	GT3099F-P0610-S66	06	66	316.4
GT3099F-P1610-S18	06	18	124	GT3099F-P1210-S60	12	60	316.4
GT3099F-P1210-S12	12	12	124	GT3099F-P2410-S48	24	48	316.4
GT3099F-P0810-S06	18	06	124	GT3099F-P3610-S36	36	36	316.4
GT3099F-P2410	24	0	124	GT3099F-S84	0	84	365
GT3099F-S30	0	30	151.8	GT3099F-P1210-S72	12	72	365

GT3099F-P0610-S20	06	24	151.8	GT3099F-P2410-S60	24	60	365
GT3099F-P1210-S18	12	18	151.8	GT3099F-S96	0	96	410.6

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 detmails.

Specifications

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~690VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/1000VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon	AWG22#Teflon
Lead Length	standard 300mm(adjustable)	
Insulation Strength	1000VAC@50Hz, 60s	
Electrical Noise	<0.003Ω	
Mechanical Data		
Parameter	Value	
Working Life	100 Million revs	
Rotating Speed	1~1800RPM	
Working Temperature	-30°C~80°C/-45°C~80°C(Military-industrial options)	
Operating Humidity	0~85% RH/0~97% RH(Military-industrial options)	
Contact Material	Precious Metal	
Housing Material	Aluminium Alloy	
Torque	0.1N.m; +0.03N.m/6路	
Protection Grade	IP51	

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

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