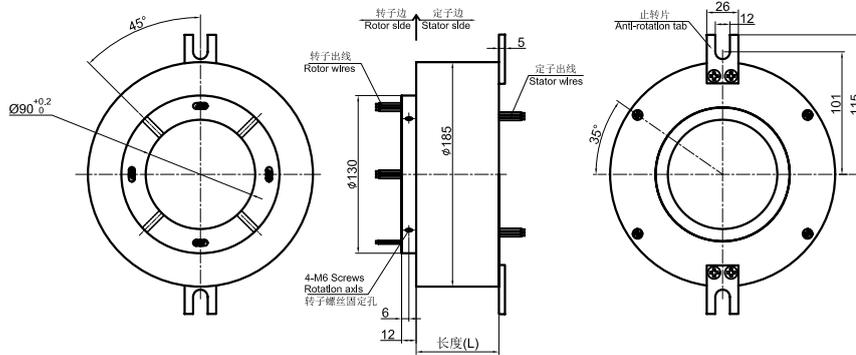


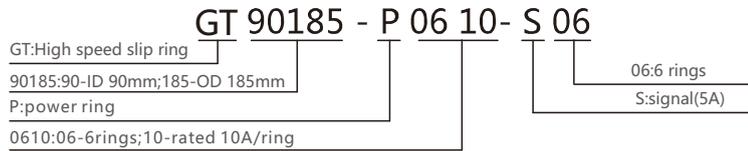
# GT90185series

185mm outer diameter, 100mm through-hole diameter (applicable to  $\leq 100$ mm) standard series integral precision conductive slip ring.

\*Note: if the inner hole less than 100mm is needed, it can be solved by adding inner sleeve.



## Part# Explanation



## Part# List

GT90185 Series Parts# List							
Part#	10A	Signal/5A	Length-L(mm)	Part#	10A	Signal/5A	Length-L(mm)
GT90185-S06	0	06	75	GT90185-P1810-S12	18	12	189
GT90185-P0210-S04	02	04	75	GT90185-P2410-S06	24	06	189
GT90185-P0410-S02	04	02	75	GT90185-P3010	30	0	189
GT90185-P0610	06	0	75	GT90185-S36	0	36	216
GT90185-S12	0	12	102	GT90185-P0610-S30	06	30	216
GT90185-P0210-S10	02	10	102	GT90185-P1210-S24	12	24	216
GT90185-P0410-S08	04	08	102	GT90185-P1810-S18	18	18	216
GT90185-P0610-S06	06	06	102	GT90185-P2410-S12	24	12	216
GT90185-P0810-S04	08	04	102	GT90185-P3610	36	0	216
GT90185-P1010-S02	10	02	102	GT90185-S48	0	48	270
GT90185-P1210	12	0	102	GT90185-P0610-S42	06	42	270
GT90185-S18	0	18	129	GT90185-P1210-S36	12	36	270
GT90185-P0210-S16	02	16	129	GT90185-P1810-S30	18	30	270
GT90185-P0410-S14	04	14	129	GT90185-P2410-S24	24	24	270
GT90185-P0610-S12	06	12	129	GT90185-S60	0	60	330
GT90185-P0810-S10	08	10	129	GT90185-P0610-S54	06	54	330
GT90185-P1010-S08	10	08	129	GT90185-P1210-S48	12	48	330
GT90185-P1210-S06	12	06	129	GT90185-P1810-S42	18	42	330
GT90185-P1410-S04	14	04	129	GT90185-P2410-S36	24	36	330
GT90185-P1610-S02	16	02	129	GT90185-S72	0	72	384
GT90185-S24	0	24	156	GT90185-P0610-S66	06	66	384
GT90185-P1610-S18	06	18	156	GT90185-P1210-S60	12	60	384
GT90185-P1210-S12	12	12	156	GT90185-P2410-S48	24	48	384
GT90185-P0810-S06	18	06	156	GT90185-P3610-S36	36	36	384
GT90185-P2410	24	0	156	GT90185-S84	0	84	442
GT90185-S30	0	30	189	GT90185-P1210-S72	12	72	442

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 detmalls.

## 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	<0.03Ω	
Mechanical Data		
Parameter	Value	
Working Life	100 Million revs	
Rotating Speed	1~1200RPM	
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](mailto:technical@moflon.com)