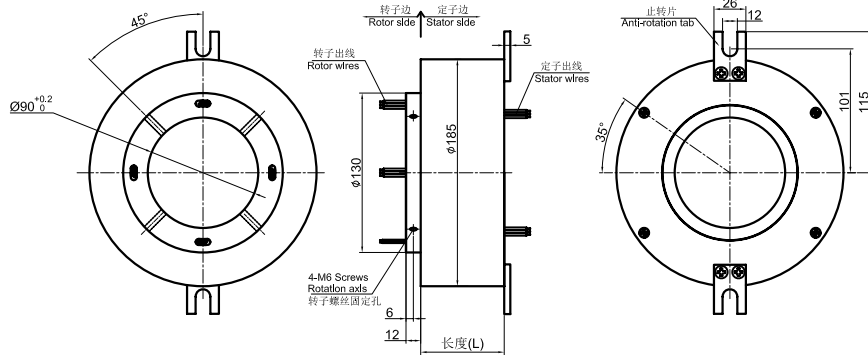


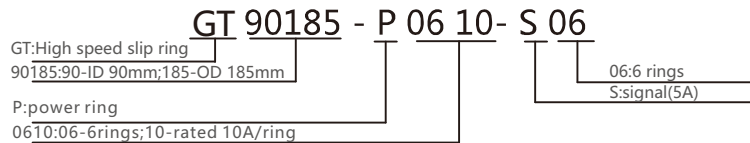
GT90185series

185mm outer diameter, 100mm through-hole diameter (applicable to ≤ 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	See Product Quality Level Table	
Rotating Speed	See Product Quality Level Table	
Working Temperature	-30°C~80°C	
Operating Humidity	0~85% RH	
Contact Material	Precious Metal	
Housing Material	Aluminium Alloy	
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