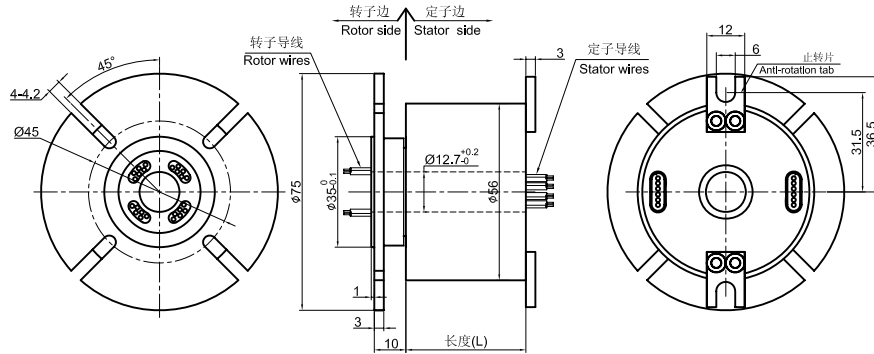


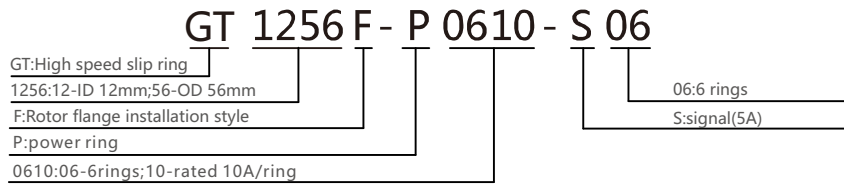
# GT1256F series

The rotor is installed with flange, and the through-hole diameter is 12.7mm (1/2"), applicable to <= 12.7mm) Standard series integral precision conductive slip ring.

\*Note: if the inner hole of < 12.7mm is needed, it can be solved by adding inner sleeve.



## Part# Explanation



## Part# List

GT1256F Series Parts# List							
Part#	10A	Signal/5A	Length-L(mm)	Part#	10A	Signal/5A	Length-L(mm)
GT1256F-S06	0	6	48.2	GT1256F-P1410-S04	14	4	86.6
GT1256F-P0210-S04	2	4	48.2	GT1256F-P1610-S02	16	2	86.6
GT1256F-P0410-S02	4	2	48.2	GT1256F-P1810	18	0	86.6
GT1256F-P0610	6	0	48.2	GT1256F-S24	0	24	105.8
GT1256F-S12	0	12	67.4	GT1256F-P0410-S20	4	20	105.8
GT1256F-P0210-S10	2	10	67.4	GT1256F-P0610-S18	6	18	105.8
GT1256F-P0410-S09	3	9	67.4	GT1256F-P1210-S12	12	12	105.8
GT1256F-P0610-S06	6	6	67.4	GT1256F-P1810-S06	18	6	105.8
GT1256F-P0810-S04	8	4	67.4	GT1256F-S30	0	30	130
GT1256F-P1010-S02	10	2	67.4	GT1256F-P0210-S28	2	28	130
GT1256F-P1210	12	0	67.4	GT1256F-P0410-S26	4	26	130
GT1256F-S18	0	18	86.6	GT1256F-P0610-S24	6	24	130
GT1256F-P0210-S16	2	16	86.6	GT1256F-S36	0	36	149.2
GT1256F-P0410-S14	4	14	86.6	GT1256F-P0410-S32	4	32	149.2
GT1256F-P0610-S12	6	12	86.6	GT1256F-P0610-S30	6	30	149.2
GT1256F-P0810-S10	8	10	86.6	GT1256F-S42	0	42	168.4
GT1256F-P1010-S08	10	8	86.6	GT1256F-P0410-S38	4	38	168.4
GT1256F-P1210-S06	12	6	86.6	GT1256F-S48	0	48	187.6

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 details.

## Specifications

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG17#Teflon	AWG22#Teflon
Lead Length	standard 300mm(adjustable)	
Insulation Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.03Ω	
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