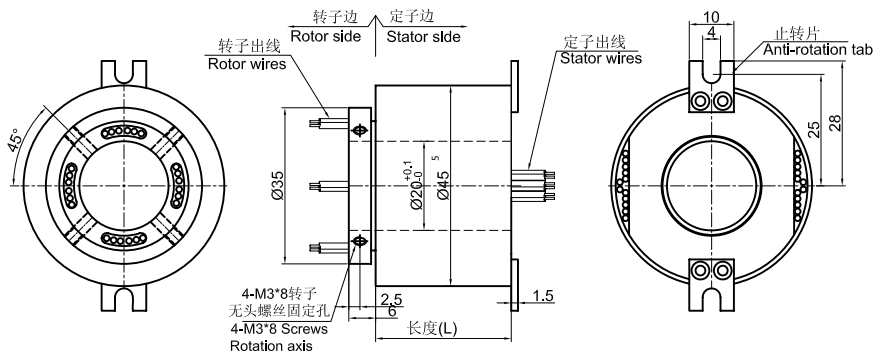


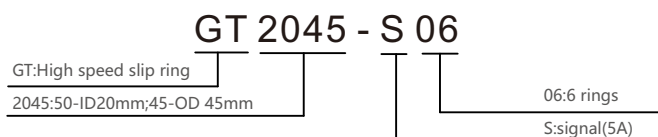
# GT2045 Series

Compact, 45mm od through-hole diameter of 20mm (applicable to < = 20mm) standard series integral precision conductive slip ring.

\*Note: if the inner hole less than 20 mm is needed, it can be solved by adding inner sleeve.



## Part# Explanation



## Part# List

GT2045 Series Parts# List		
Part#	Signal/5A	Length-L (mm)
GT2045-S02	2	30.4
GT2045-S03	3	30.4
GT2045-S04	4	30.4
GT2045-S06	6	30.4
GT2045-S08	8	44.2
GT2045-S10	10	44.2
GT2045-S12	12	44.2
GT2045-S14	14	58
GT2045-S16	16	58
GT2045-S18	18	58
GT2045-S20	20	71.8
GT2045-S22	22	71.8
GT2045-S24	24	71.8

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	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥200MΩ/300VDC	≥200MΩ/300VDC
Lead Wires	AWG22Teflon	AWG22Teflon
Lead Length	Standard 300mm	
Dielectric Strength	200VAC@50Hz, 60s	
Electrical Noise	<0.03Ω	
Mechanical Data		
Parameter	Value	
Working Life	100 Million revs	
Rotating Speed	1~3000RPM	
Working Temperature	-30°C~-80°C/-45°C~-80°C (Military optional)	
Operating Humidity	0~85% RH/0~97% RH (Military optional)	
Contact Material	Gold-plated	
Housing Material	plastics	
Torque	0.05N.m; +0.02N.m/6rings	
Protection Grade	IP51	

## Lead Wires Color Code

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

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