

5A, 10A, 20A high current flange slip ring series

The outer diameters are 12.4mm and 22mm, and they are mainly used for conductive slip rings designed for small and medium-sized equipment such as high-speed balls, children's smart toys, stage lights, drones, and pan/tilts that require 360-degree rotation for conducting electricity or transmitting control signals.

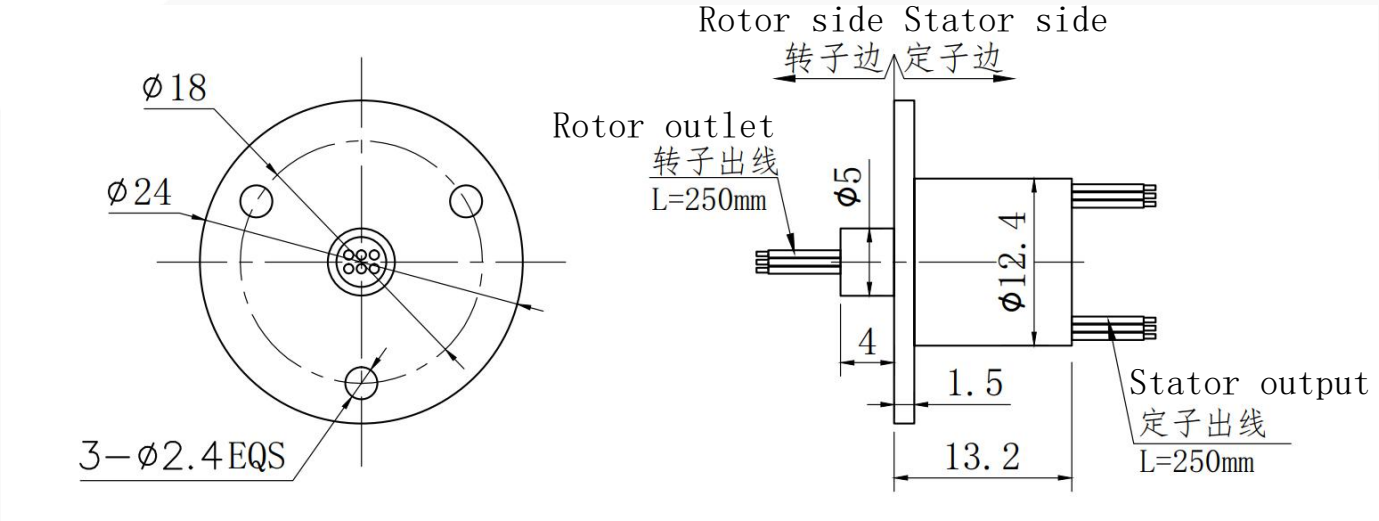
Ordering Model Description

	WX12	4P05
WX: Micro cap-type conductive slip ring		
1 2: The OD of the slip ring is 12.4mm		
2 2: The OD of the slip ring is 22mm		
		4P05: 4P means 4-way power, 05 means 5A current

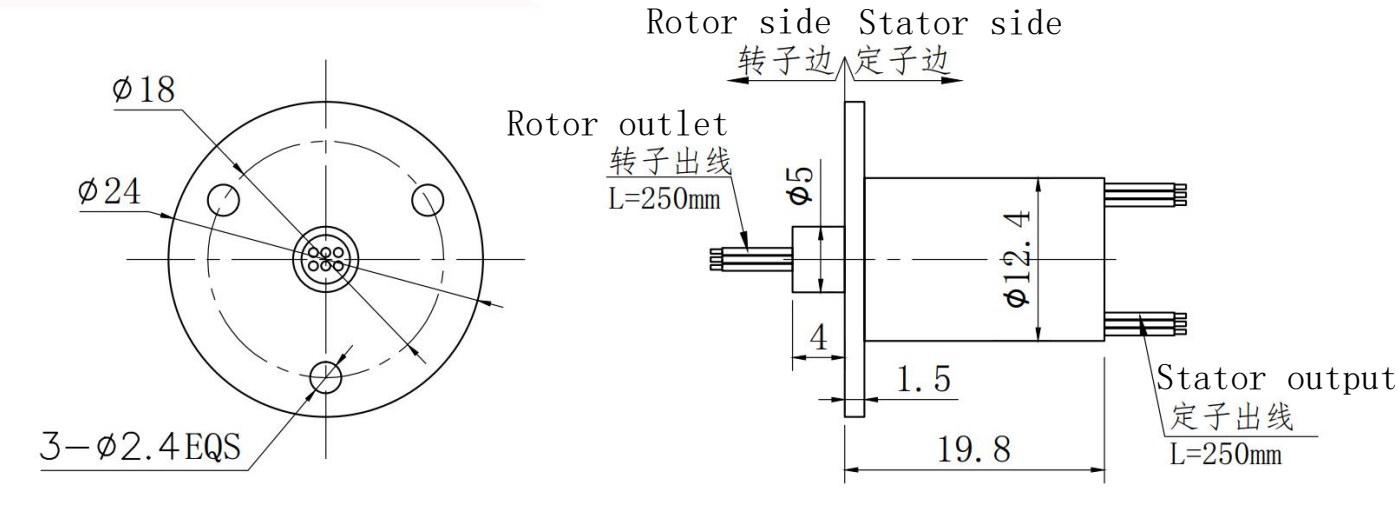
Standard Model Selection Table

Model	Circuit	Current	Length
WX12-2P05	2-way	5A	13.2mm
WX12-4P05	4-way	5A	19.8mm
WX22-8P05	8-way	5A	31.9mm
WX22-2P10	2-way	10A	24.5mm
WX22-3P10	3-way	10A	31.9mm
WX22-4P10	4-way	10A	39.6mm
WX22-2P20	2-way	20A	39.6mm
WX22-3P20	3-way	20A	39.6mm

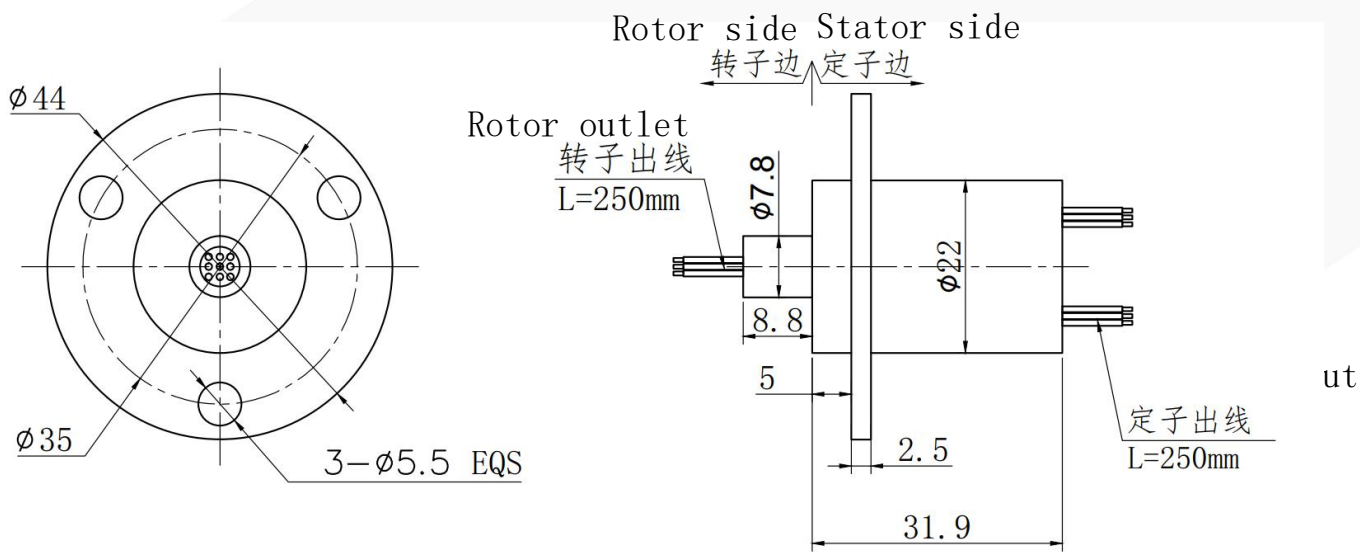
Standard product size drawings



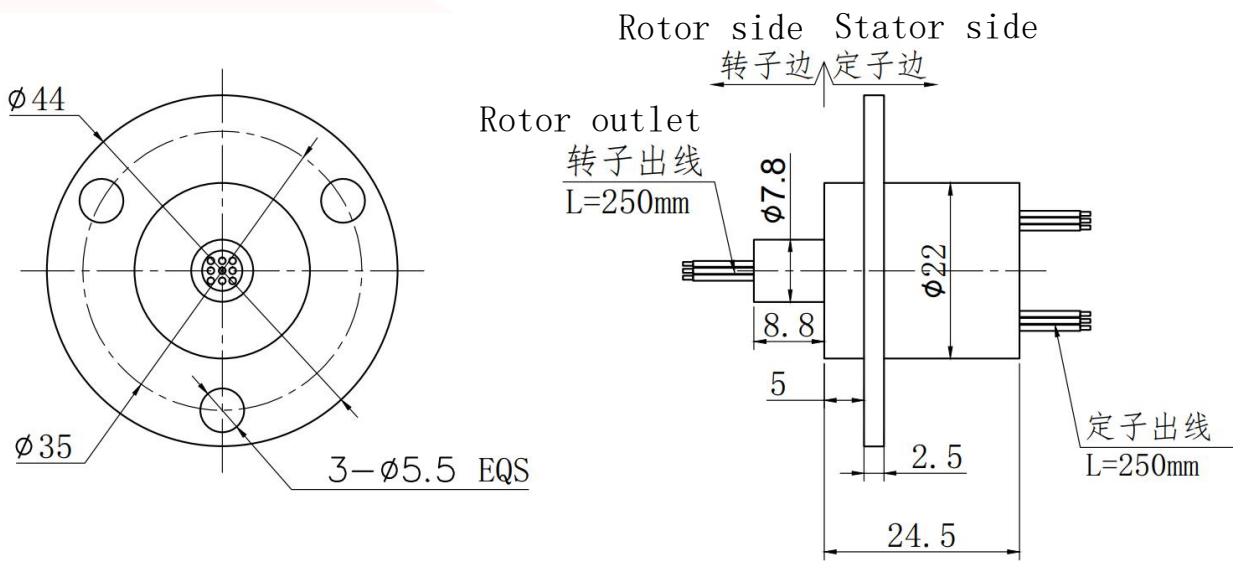
Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX12-2P05	2-way 5A	0-240V	150RPM	AWG22# Teflon wire	Rotor 250mm Stator 250mm



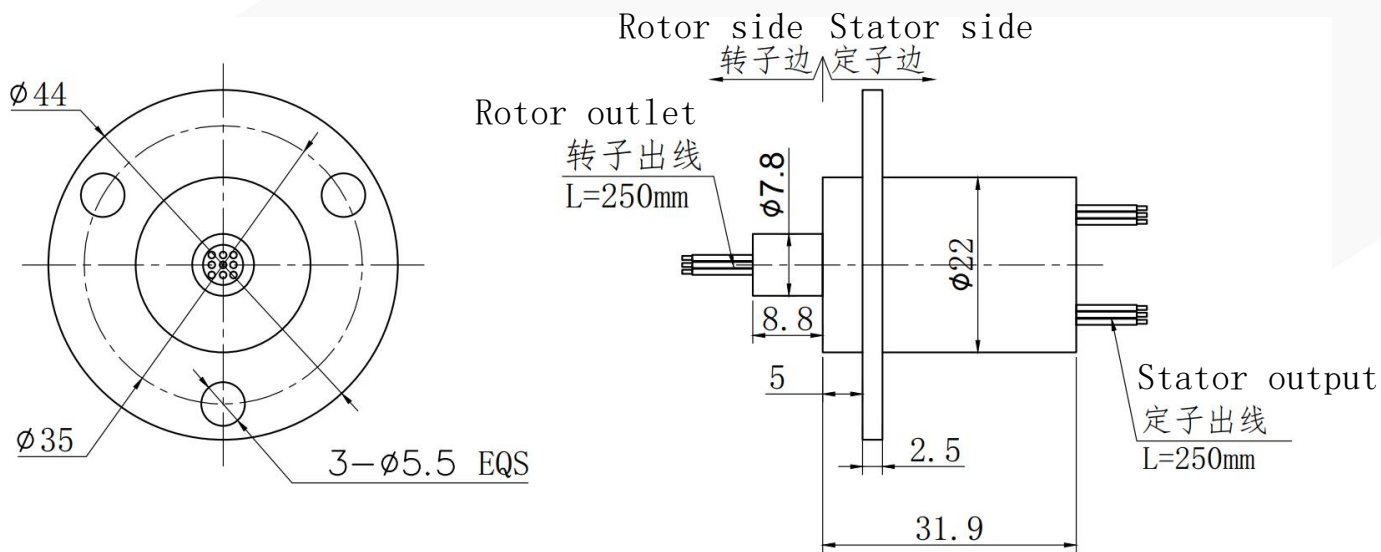
Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX12-4P05	4-way 5A	0-240V	150RPM	AWG22# Teflon wire	Rotor 250mm Stator 250mm



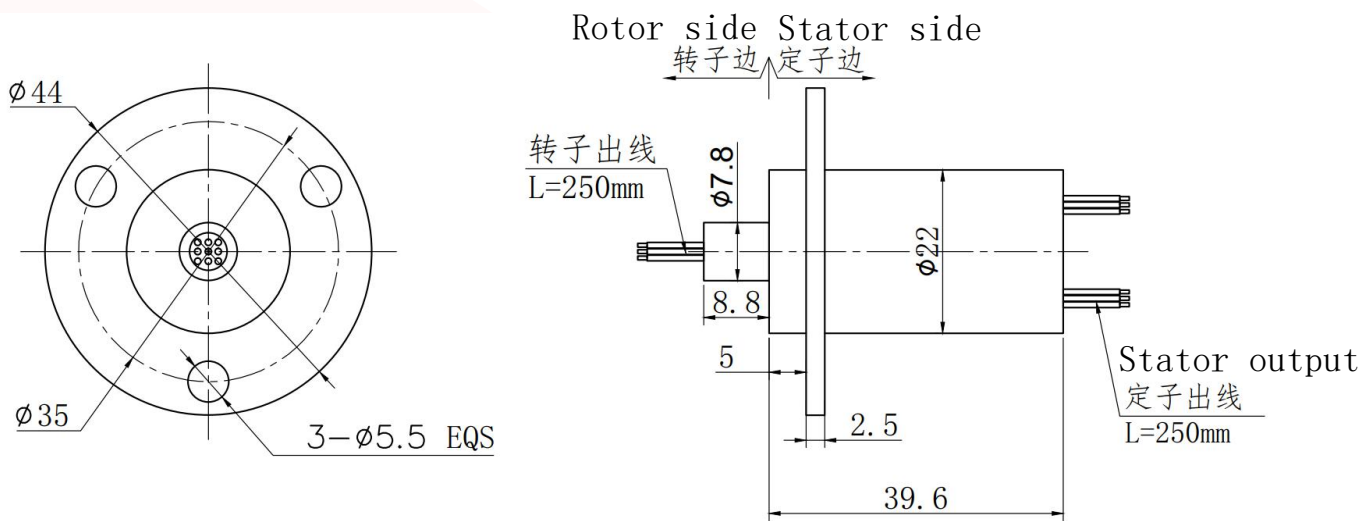
Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX22-8P05	8-way 5A	0-240V	150RPM	AWG22# Teflon wire	Rotor 250mm Stator 250mm



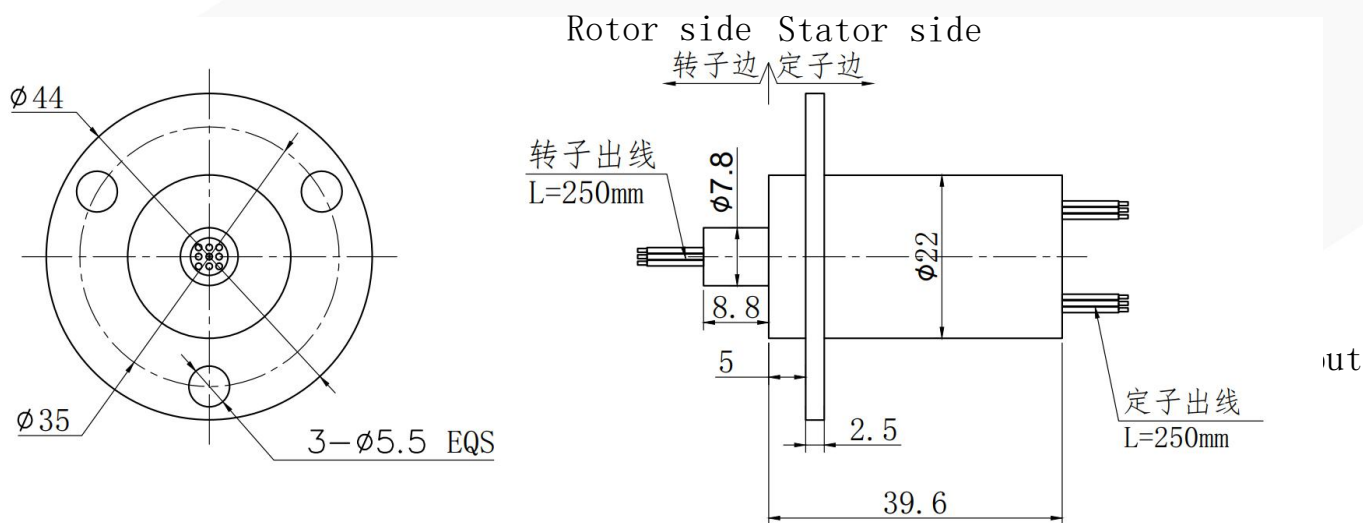
Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX22-2P10	2-way 10A	0-240V	150RPM	AWG17# Teflon wire	Rotor 250mm Stator 250mm



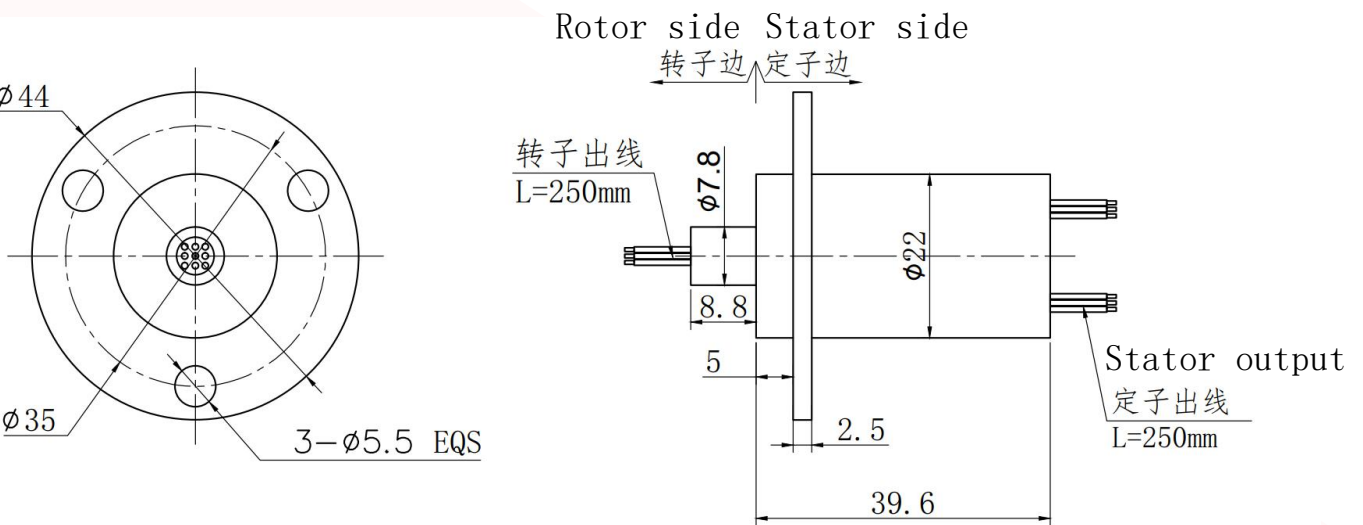
Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX22-3P10	3-way 10A	0-240V	150RPM	AWG17# Teflon wire	Rotor 250mm Stator 250mm



Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX22-4P10	4-way 10A	0-240V	150RPM	AWG17# Teflon wire	Rotor 250mm Stator 250mm



Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX22-2P20	2-way 20A	0-240V	150RPM	AWG17# Teflon wire	Rotor 250mm Stator 250mm



Model	Electrical Path	Voltage	Speed	Wire Specifications	Wire length
WX22-3P20	3-way 20A	0-240V	150RPM	AWG17# Teflon wire	Rotor 250mm Stator 250mm

Technical Specifications

Parameter name	Parameter Value
Dielectric strength	300VCA@50Hz, 60s
Insulation resistance	≥500MΩ/300VDC
Dynamic resistance change value	< 10mΩ
Rated voltage	0 ~ 240VDC/VAC
Wire Specifications	17AWG Teflon wire (select according to current size)
Wire length	Rotor 250mm; stator 250mm (reference value, specific size depends on the actual specifications)
Operating temperature	-20°C ~ +80°C
Operating humidity	0 ~ 85%RH
Protection level	IP51
Shell material	Engineering Plastics
Rotational torque	0.05N.m,+0.01N.m/6-way
Service life	2 million rpm

Color code table for each loop conductor

Loop	1	2	3	4	5	6	7	8	9	10	11	12
Color	black	brown	red	orange	yellow	green	blue	Purple	grey	White	White and red	Light blue
Note: 12 colors form a group, loop 1 to 12, the next group repeats the first 12 colors, each group is distinguished by a number tube as the group number												