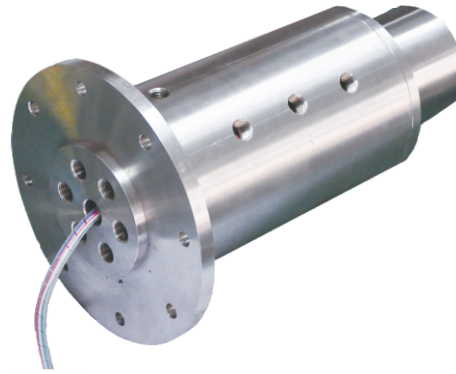


# Gas / Fluid Integrated Slip Rings



In modern industrial systems such as industrial robots and laser processing equipment, they not only need electrical transmission, but also need gas and fluid transmission to satisfy the whole system's complex operation. AOOD as a global leading rotating interface solutions provider, develop this series gas / fluid integrated slip rings to meet clients' media and electrical infinite rotating need.

These hybrid units combine an electrical slip ring with a required number of gas / fluid passes. They feature both superior high power, signal and communication protocol handling capabilities of AOOD electrical slip rings and media rotary joints' good sealing capability, to offer flexibility of electrical and media transfer through a single rotary joint, effectively facilitate the mounting and reduce the cost for the system.

## Features

- The number and size of gas / fluid ports optional
- Suitable for a variety of media
- Modular electrical slip ring design
- Flexible combination of electrical and media channels

## Advantages

- Superior power, signal and media handling capabilities
- Reliable seal technology
- A variety of existing designs available
- Long life and maintenance free operation

## Applications

- Industrial robots
- Laser processing equipment
- Lithium battery machinery
- Rotary indexing table
- Semiconductor

Gas / Fluid Integrated Slip Rings											
Model	Channels		Current (amps)			Voltage (VAC)			Size	Bore	Speed
	Electrical	Air	2	5	10	120	240	380	DIA × L (mm)	DIA (mm)	RPM
ADSR-T25F-8P32S2E-10mm	50	1@10mm	42		8		x		78 x 175		300
ADSR-TS25-2P36S1E&2Rc2	47	2@10mm	45	2			x		78x 178		300
ADSR-C24-2Rc2-10mm	24	2@10mm	24				x		80 x 150		300
ADSR-TS25-4P12S1E&3Rc2	25	2@12mm 1@10mm	21	4			x		78 x 187		300

Remark: gas channel can be changed to fluid channel.

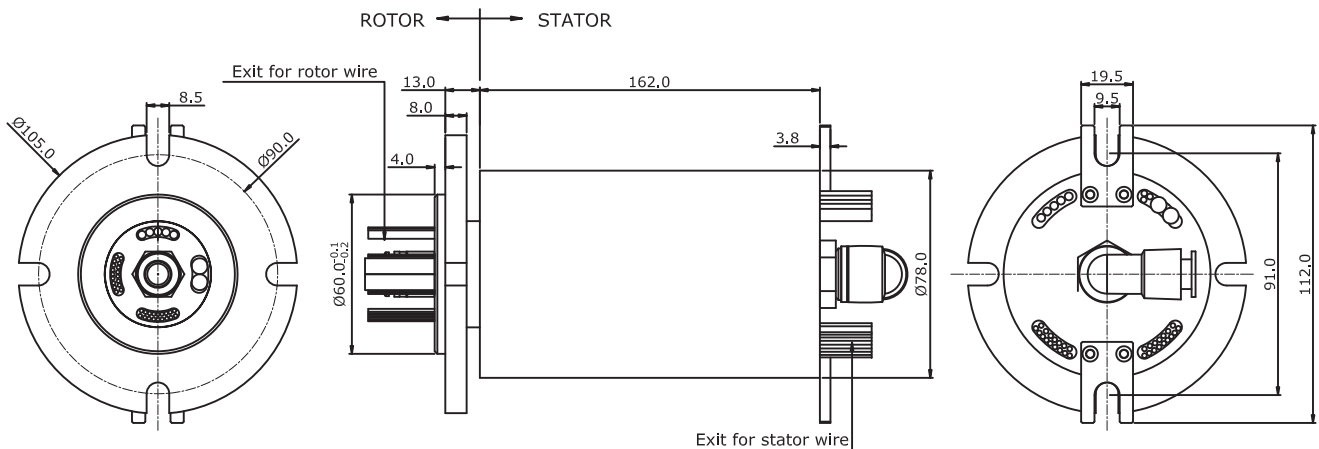
# Specification

Electrical	
Voltage	240VAC / 380VAC
Rating Current	2A / 5A / 10A / 15A / 30A
Insulation Resistance	500MΩ@ 500VDC
Electric Noise	40mΩ max
Dielectric Strength	500VAC @ 50Hz
Mechanical	
Operating Speed	300 rpm
Torque	<2 ~ 10 N*M
Life	50,000,000 revolutions
Material	
Contact Material	Precious metal
Lead Wires	Teflon wires
Housing	Aluminium alloy

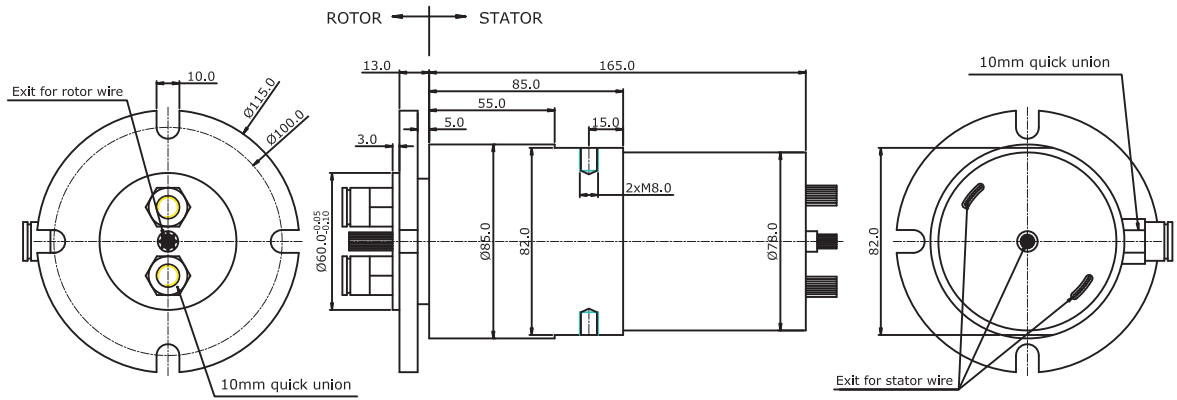
Gas / Fluid Channel	
Number of channel	1, 2, 3
Channel Diameter	6,8,10,12mm
Pressure rating	Depends on requirements
Environmental	
Working Temperature	-40°C~ +80°C
Storage Temperature	-45°C~ +85°C
Humidity	95±3% (30°C+5°C)
Protection	IP54
Options	

- Connection type
- Higher working speed
- Higher protection
- Stainless steel housing

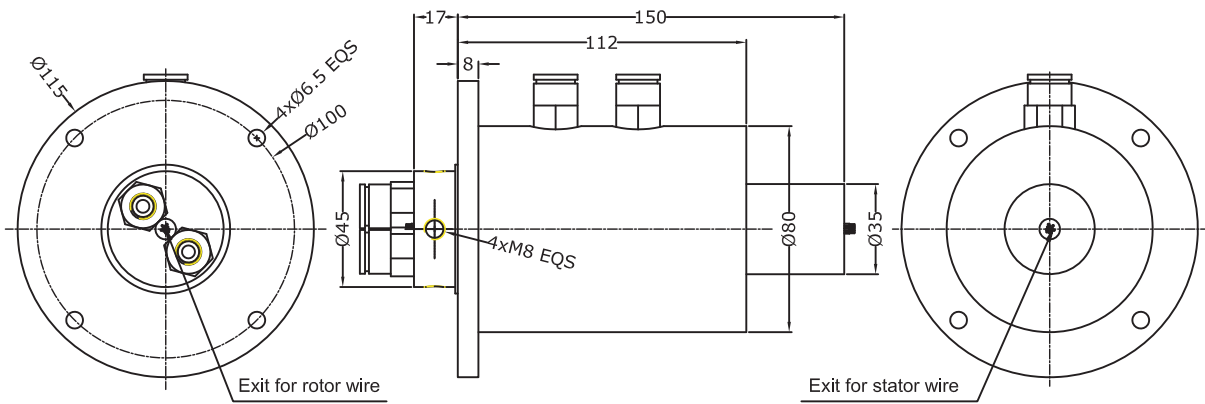
## ► ADSR-T25F-8P32S2E-10mm



▶ **ADSR-TS25-2P36S1E&2Rc2**



▶ **ADSR-C24-2Rc2-10mm**



▶ **ADSR-TS25-4P12S1E&3 Rc2**

