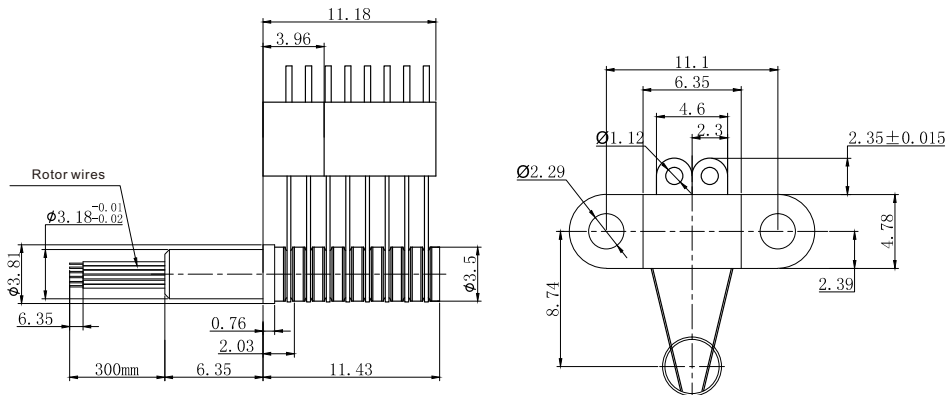


# MSP108AC Separated Slip Rings

## 8 rings\*2A

MSP108AC separated slip ring is a type of minitype slip rings. It adopts a separated rotor and contact brushes combination, supporting 8 wires for signal or 2A. The exiting wires in stator and rotor are correspondingly 8 colored wires, it can simplify the electrical connection. The 90-degree angle V-groove design has the characteristics of smooth rotation, low torque and low electrical noise, which can exceed ordinary slip ring products.



MSP1089 is the highest-end version of MSP108AC, which used for military, aerospace, etc., differences as below

Parts#	Max working speed	Working life	Torque	Electrical noise①@10Rpm
MSP108AC	250RPM	20 million	0.02 N•m	10mΩ
MSP1089	1000RPM	100 million	0.005 N•m	4mΩ

### Part# Explanation

MSP108AC Part# Explanation		
Parts#	Signal or 2A	Products Level
MSP108AC	8	Common quality
MSP1089	8	High-end quality

Note: N channels 2A rings parallel can be used as 1 channel N\*2A current. For example: 2 rings 2A parallel could be used as 1 wires 4A

### Specifications

Parameter	Electrical Data		Mechanical Data	
	Power	Signal	Parameter	Value
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC	Working Temperature	-30°C~80°C
Insulation Resistance	≥150MΩ/220VDC	≥150MΩ/220VDC	Operating Humidity	0~85% RH
Lead Wires	AWG30#Teflon	AWG30#Teflon	Contact Material	Gold-Gold
Lead Length	Standard 300mm ( adjustable )		Torque	IP51
Dielectric Strength	500VAC@50Hz , 60s			
Electrical Noise	<0.01Ω			

### Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8
Code	BN	RED	ORG	YLW	GRN	BLU	VT	GY