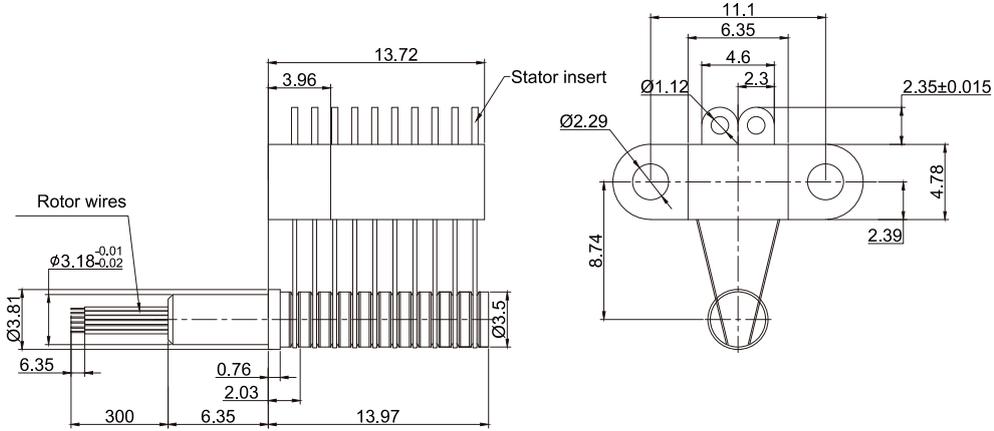


MSP110AC Separated Slip Ring

10 rings*1A



MSP110AC separated slip ring is a type of minitype slip rings. It adopts a separated rotor and contact brushes combination, supporting 10 wires for signal or 1A. The exiting wires in stator and rotor correspondingly 10 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.



MSP110AC9 is the highest-end version of MSP110AC, which is 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
MSP108AC9	1000RPM	100 million	0.005 N·m	4mΩ

Part# Explanation

MSP110AC Part# Explanation		
Parts#	Signal or 2A	Products Level
MSP110AC	10	Common quality
MSP110AC9	10	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

Electrical Data			Mechanical Data	
Parameter	Value		Parameter	Value
	Power	Signal	Working Temperature	-30°C~80°C
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC	Operating Humidity	0~85% RH
Insulation Resistance	≥150MΩ/220VDC	≥150MΩ/220VDC	Contact Material	Gold-Gold
Lead Wires	AWG32#Teflon	AWG32#Teflon	Torque	Ip40
Lead Length	Standard 300mm (adjustable)			
Dielectric Strength	100VAC@50Hz, 60s			
Electrical Noise	<0.01Ω			

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10
Code	BN	RD	OG	YL	GU	BU	PL	GY	WT	BK