

MP210 Series Pancake Slip Ring

MP210 pancake slip ring has a thickness of 20mm, through bore size is 12.7mm, all aluminum alloy structure, using precious metal contact material and gold-plated processing. It can transmit stable signal and power with small resistance fluctuations.

Designed for min thickness requirements, when thickness is limitative but diameter is no limitative.



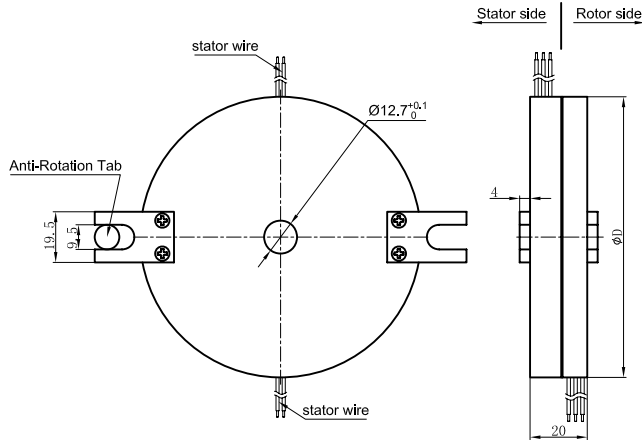
MP Series Models

Model#	ID(mm)	OD(mm)	Number Of Servo Motors
MP210	12.7	20	2~24
MP310	12.7	15.8mm~77.4mm	2~24
MP220	25.4	22	2~24
MP320	25.4	17.1mm~91.9mm	2~24
MP240	40	30	2~24
MP340	40	17.1mm~91.9mm	2~24
MP250	50	30	2~24
MP350	50	17.1mm~91.9mm	2~24
MP270	70	30	2~24
MP370	70	17.5mm~83.5mm	2~24
MP380	80	18.2mm~88.6mm	2~24

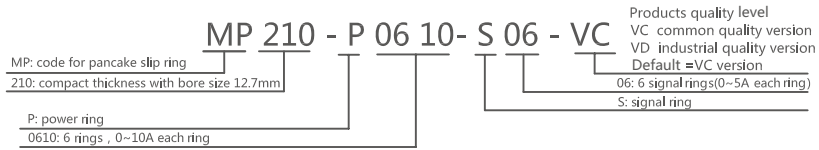
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Explanation



Part# list

MP210 Series Pancake Slip Ring				
Parts#	Signal (5A)	10A	20A	ΦD (mm)
MP210-S02	2	0	0	76
MP210-P0210	0	2	0	76
MP210-P0210-S02	2	2	0	92
MP210-P0410	0	4	0	92
MP210-S06	6	0	0	108
MP210-P0610	0	6	0	108
MP0410-S02	2	4	6	108
MP210-P0210-S04	4	2	0	108
MP210-S12	12	0	0	156
MP210-P1210	0	12	0	156
MP210-P1220	0	0	12	156
MP210-P0610-S06	6	6	0	156
MP210-P0620-S06	6	0	6	156
MP210-S18	18	0	0	204
MP210-P1810	0	18	0	204
MP210-P0610-S12	12	6	0	204
MP210-P1210-S06	6	12	0	204
MP210-P0810-S10	10	8	0	204
MP210-S24	24	0	0	252
MP210-P2410	0	24	0	252
MP210-P0610-S18	18	6	0	252
MP210-P1210-S12	12	12	0	252

Note:1) 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
 2) Through bore size, total circuits and current can be customized, please contact sales for more details.

Specifications

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~220VAC/VDC	0~220VAC/VDC
Insulation Resistance	≥1000MΩ/240VDC	≥1000MΩ/240VDC
Lead Wire	AWG18#Teflon	AWG24#Teflon
Lead Length	Standard 300mm (adjustable)	
Dielectric Strength	100VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	
Mechanical Data		
Parameter	Value	
Working Life	See product quality level table	
Rotating Speed	See product quality level table	
Working Temperature	-30°C~80°C	
Operating Humidity	0~85% RH	
Contact Material	See product quality level table	
Housing Material	aluminium alloy	
Torque	0.1N.m; +0.03N.m/6rings	
Protection Grade	IP51	

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	60RPM	3 million revs	Precious Metal
VD	200RPM	10 million revs	Gold-plated

Lead Wires Color Code

Ring Color	1	2	3	4	5	6	7	8	9	10	11	12
	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	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.