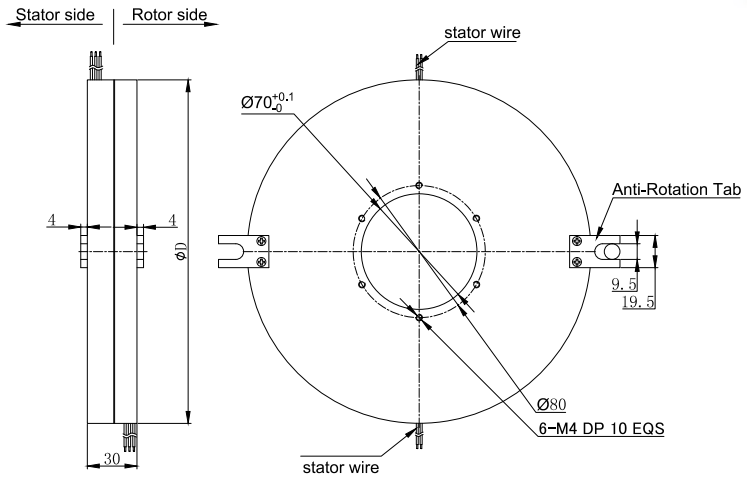
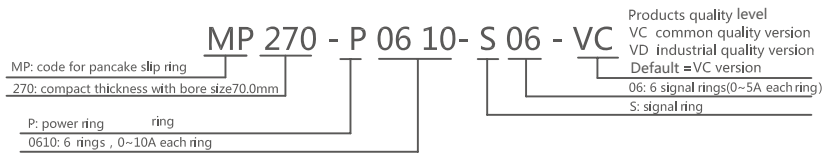
MP270 Series Pancake Slip Ring

MP270 pancake slip ring has a thickness of 30mm,through bore size is 70mm,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.



Explanation



Part# list

MP270 series pancake slip ring				
Parts#	Signal (5A)	10A	20A	ΦD (mm)
MP270-S02	2	0	0	158
MP270-P0210	0	2	0	158
MP270-P0210-S02	2	2	0	168
MP270-P0410	0	4	0	168
MP270-S06	6	0	0	204
MP270-P0610	0	6	0	204
MP270-P0620	0	0	6	204
MP270-P0210-S04	4	2	0	204
MP270-S12	12	0	0	240
MP270-P1210	0	12	0	240
MP270-P1220	0	0	12	240
MP270-P0610-S06	6	6	0	240
MP270-P0620-S06	6	0	6	280
MP270-S18	18	0	0	280
MP270-P1810	0	18	0	280
MP270-P0610-S12	12	6	0	280
MP270-P1210-S06	6	12	0	280
MP270-P0810-S10	10	8	0	280
MP270-S24	24	0	0	320
MP270-P2410	0	24	0	320
MP270-P0610-S18	18	6	0	320
MP270-P1210-S12	12	12	0	320

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.

Web: http://www.moflon.com Email: sales@moflon.com

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℃~80℃	
Operating Humidity	0~85% RH	
Contact Material	See product quality level table	
Housing Materia	aluminium alloy	
Torque	0.05N.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	1	2	3	4	5	6	7	8	9	10	11	12
Color	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.