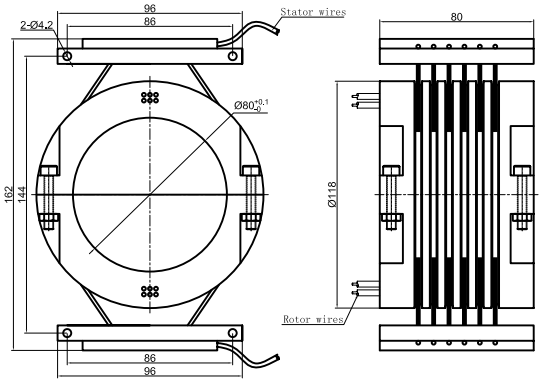
MSP380 –Two Parts Separated Slip Rings

Bore size 80mm， 6 rings*10A

MSP380 is separated slip ring,suitable for the situation where the slip ring can't be put into from the end.It adopts a separated rotor and contact brushes combination,supporting 6 wires for signal or 10A.The exiting wires in stator and rotor are correspondingly six 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.



MSP3809 is the highest-end version of MSP380,which used for military, aerospace, etc., differences as below

Parts#	Max working speed	Working life	Torque	Electrical noise①@10Rpm
MSP380	150RPM	5 million	0.1 N•m	20mΩ
MSP3809	500RPM	300 billion	0.05 N•m	10mΩ

Part# Explanation

MSP380 Part# Explanation		
Part#	Signal or 10A	Products Level
MSP380	6	Common quality
MSP3809	6	High-end quality

Note: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

Specifications

Electrical Data			Mechanical Data	
Parameter	Value		Parameter	Value
	Power	Signal	Working Temperature	-30℃~80℃
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC	Operating Humidity	0~85% RH
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC	Contact Material	Gold-Gold
Lead Wires	AWG16#Teflon	AWG16#Teflon	Torque	IP41
Lead Length	Standard 300mm (adjustable)			
Dielectric Strength	500VAC@50Hz，60s			
Electrical Noise	<0.01Ω			

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Code	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

Options for custom slip ring

Note：it can be customized as below requirements， lead time would increase 3~15 days,price would increase 5%~50%.Most basic parts of slip ring are standard and modularized,which saved costs and lead time.

1) Bore size
2) Circuits number
3) High temperature,high speed etc.

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