

MT120 Series

Through bore 120mm(4.73"), Overall Diameter: 215mm

MT120 series provides a 120mm(4.73") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a 215mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

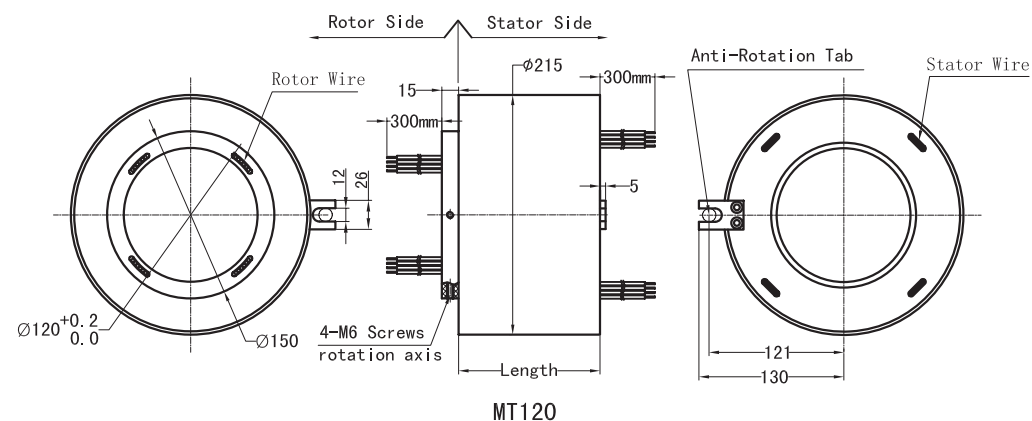


Specifications

Rings	3~72(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	250RPM
Through bore size	120mm(4.73")	Overall diameter	215mm(8.46")
Housing Material	Aluminium Alloy	Torque	0.2N.m; +0.03N.m/6rings
Working life	Depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	< 2mOhm
Dielectric strength	1000VDC@50Hz	Lead Wire	UL Teflon® Awg22,Awg16
Insulation resistance	1000MΩ@600VDC	Lead Lengths	300mm(12")
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 85% RH
Materials	Lead Free,RoHS compliant	Certified	YES

Drawings

Standard drawings:



Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12, indicated with number code pipe.

Parts List

***Please note: 10A rings parallel can be used as multiple 10A current.
For Example: 2 rings parallel could be used as 1 wires 20A**

MT12002 (Length=57mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12002-0200	2	0	MT12002-0002	0	2

MT12003 (Length=63mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12003-0300	3	0	MT12003-0003	0	3
MT12003-0102	1	2	MT12003-0201	2	1

MT12006 (Length=81mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12006-0600	6	0	MT12006-0006	0	6
MT12006-0204	2	4	MT12006-0402	4	2

MT12012 (Length=117mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12012-1200	12	0	MT12012-0012	0	12
MT12012-0210	2	10	MT12012-0408	4	8
MT12012-0606	6	6	MT12012-0804	8	4
MT12012-1002	10	2			

MT12018 (Length=153mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12018-1800	18	0	MT12018-0018	0	18
MT12018-0216	2	16	MT12018-0414	4	14
MT12018-0612	6	12	MT12018-0810	8	10
MT12018-1008	10	8	MT12018-1206	12	6
MT12018-1404	14	4	MT12018-1602	16	2

MT12024 (Length=189mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12024-2400	24	0	MT12024-0024	0	24
MT12024-0618	6	18	MT12024-1212	12	12
MT12024-1806	18	6			

MT12030 (Length=225mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12030-3000	30	0	MT12030-0030	0	30
MT12030-0624	6	24	MT12030-1218	12	18
MT12030-1812	18	12	MT12030-2406	24	6

MT12036 (Length=261mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12036-3600	36	0	MT12036-0036	0	36
MT12036-0630	6	30	MT12036-1224	12	24
MT12036-1818	18	18	MT12036-2412	24	12
MT12036-3006	30	6			

MT12048 (Length=333mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12048-4800	48	0	MT12048-0048	0	48
MT12048-0642	6	42	MT12048-1236	12	36
MT12048-1830	18	30	MT12048-2424	24	24
MT12048-3018	30	18	MT12048-3612	36	12
MT12048-4206	42	6			

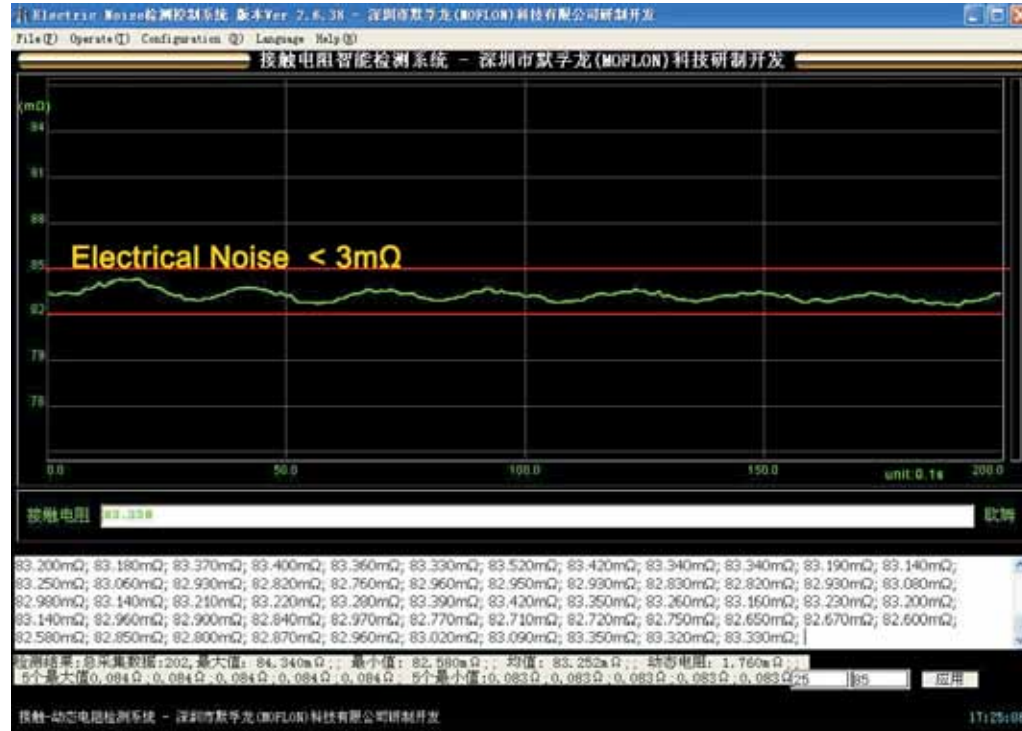
MT12056 (Length=381mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12056-5600	56	0	MT12056-0056	0	56
MT12056-0650	6	50	MT12056-1244	12	44
MT12056-1838	18	38	MT12056-2432	24	32
MT12056-3620	36	20	MT12056-4808	48	8

MT12072 (Length=477mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT12072-7200	72	0	MT12072-0072	0	72
MT12072-1260	12	60	MT12072-2448	24	48
MT12072-3042	30	42	MT12072-3636	36	36
MT12072-4824	48	24	MT12072-6012	60	12

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For Example: 2 rings parallel could be used as 1 wires 20A**

Electrical Noise Test System

Slip Rings Assembly Work Shop



Working life Test System

