

MT025 Series

Through bore 25.4mm(1"), Overall Diameter: 86mm



Mt025 series provides a 25.4mm(1") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 86mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT025 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal(2A), 10A current at max600VAC/VDC

Specifications

Rings	2~72(see next page)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	1000RPM
Through bore size	25.4mm(1")	Overall diameter	86mm(3.38")
Housing Material	Aluminium Alloy	Torque	0.05N.m;+0.03N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5 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

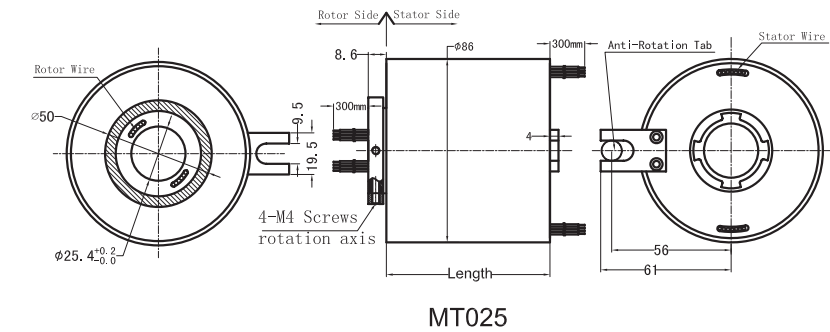
Lead wire Color codes

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

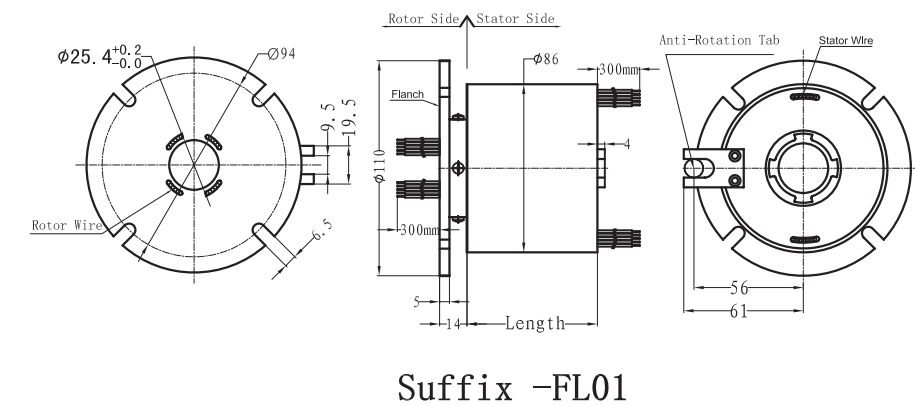
12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12, indicated with number code pipe.

Drawings

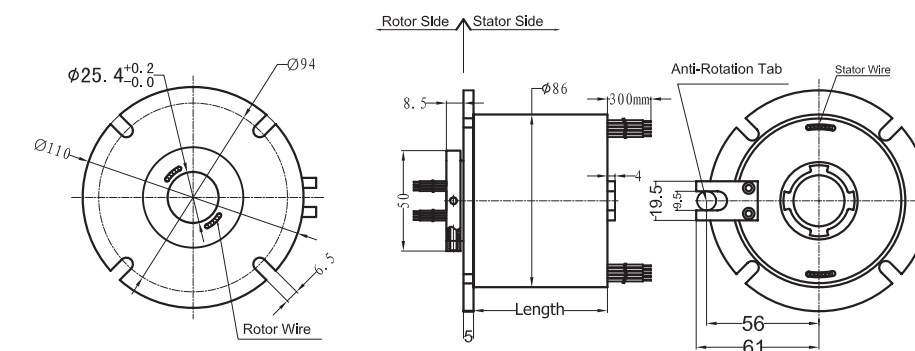
Standard drawings:



Optional FI01 Rotor Flanges drawings:



Optional FI03 Stator Flanges drawings:



MT025 - MT SERIES

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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

MT02502 (Length=31.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02502-0200	2	0	MT02502-0002	0	2

MT02503 (Length=35mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02503-0300	3	0	MT02503-0003	0	3
MT02503-0102	1	2	MT02503-0201	2	1

MT02506 (Length=45mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02506-0600	6	0	MT02506-0006	0	6
MT02506-0204	2	4	MT02506-0402	4	2

MT02512 (Length=65.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02512-1200	12	0	MT02512-0012	0	12
MT02512-0210	2	10	MT02512-0408	4	8
MT02512-0606	6	6	MT02512-0804	8	4
MT02512-1002	10	2			

MT02518 (Length=86mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02518-1800	18	0	MT02518-0018	0	18
MT02518-0216	2	16	MT02518-0414	4	14
MT02518-0612	6	12	MT02518-0810	8	10
MT02518-1008	10	8	MT02518-1206	12	6
MT02518-1404	14	4	MT02518-1602	16	2

MT02524 (Length=106.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02524-2400	24	0	MT02524-0024	0	24
MT02524-0618	6	18	MT02524-1212	12	12
MT02524-1806	18	6			

MT02530 (Length=126mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02530-3000	30	0	MT02530-0030	0	30
MT02530-0624	6	24	MT02530-1218	12	18
MT02530-1812	18	12	MT02530-2406	24	6

MT02536 (Length=147mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02536-3600	36	0	MT02536-0036	0	36
MT02536-0630	6	30	MT02536-1224	12	24
MT02536-1818	18	18	MT02536-2412	24	12
MT02536-3006	30	6			

MT02542 (Length=167.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02542-4200	42	0	MT02542-0042	0	42
MT02542-0636	6	36	MT02542-1230	12	30
MT02542-1824	18	24	MT02542-2418	24	18
MT02542-3012	30	12	MT02542-3606	36	6

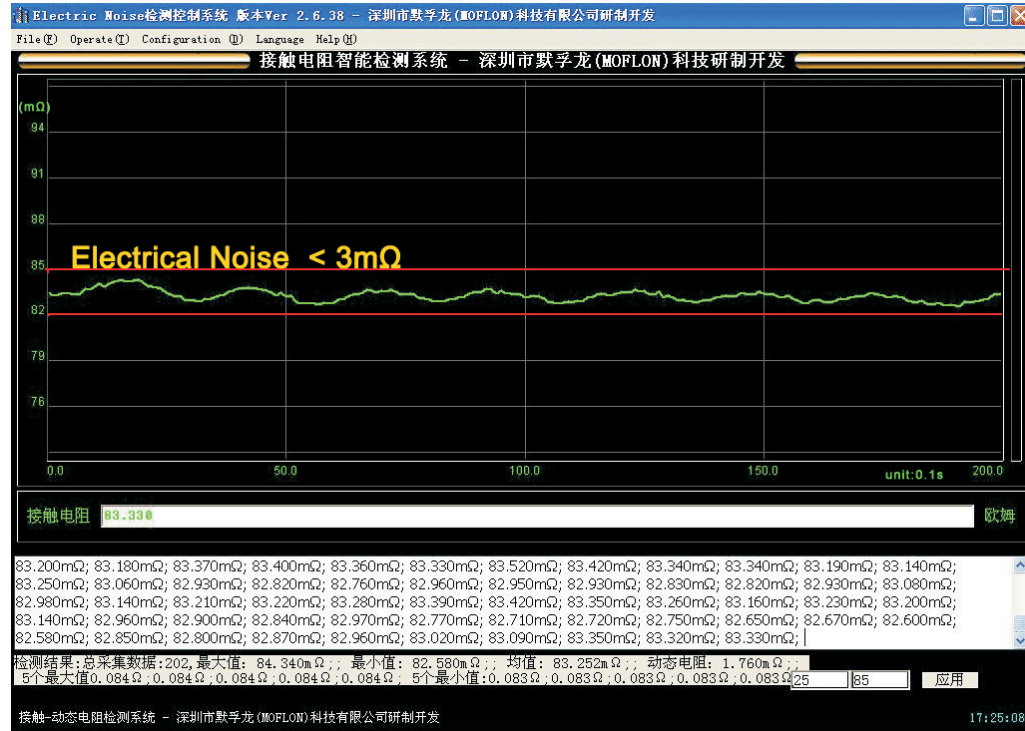
MT02548 (Length=188mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02548-4800	48	0	MT02548-0048	0	48
MT02548-0642	6	42	MT02548-1236	12	36
MT02548-1830	18	30	MT02548-2424	24	24
MT02548-3018	30	18	MT02548-3612	36	12
MT02548-4206	42	6			

MT02556 (Length=215mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02556-5600	56	0	MT02556-0056	0	56
MT02556-0650	6	50	MT02556-1244	12	44
MT02556-1838	18	38	MT02556-2432	24	32
MT02556-3620	36	20	MT02556-4808	48	8

MT02572 (Length=269.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT02572-7200	72	0	MT02572-0072	0	72
MT02572-1260	12	60	MT02572-2448	24	48
MT02572-3042	30	42	MT02572-3636	36	36
MT02572-4824	48	24	MT02572-6012	60	12

Electrical Noise Test System

Slip Rings Assembly Work Shop



Working life Test System

