

MT Series slip rings with through bore

Designed for through bore hydraulic or pneumatic rotating shaft installation
Uses fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle
Bore size from 12.7 to 300mm
Standard, off-the-shelf
Gold plated ring and Gold alloy brush
Support power,signals transmitting
Rings combination is available



MODEL#	THROUGH BORE MM	OD*LENGTH (MM)	RINGS	CURRENT	VOLTAGE	MAX SPEED
MT012	12.7(0.5")	56*(25~154)	2~48	Signal ~ 10A	440VAC/VDC	1000RPM
MT013	12.7(0.5")	35*(30~60)	2~12	Signal ~ 10A	600VAC/VDC	1000RPM
MT025	25.4(1")	86*(30~268)	2~72	Signal ~ 10A	600VAC/VDC	1000RPM
MT030	30(1.18")	99*(30~350)	2~96	Signal ~ 10A	600VAC/VDC	1000RPM
MT038	38.1(1.5")	99*(30~350)	2~96	Signal ~ 10A	600VAC/VDC	1000RPM
MT050	50.8(2")	120*(35~375)	2~96	Signal ~ 10A	600VAC/VDC	600RPM
MT060	60(2.36")	130*(36~332)	2~96	Signal ~ 10A	600VAC/VDC	600RPM
MT070	70(2.76")	140*(42~336)	2~96	Signal ~ 10A	600VAC/VDC	500RPM
MT080	80(3.15")	158*(42~336)	2~96	Signal ~ 10A	600VAC/VDC	500RPM
MT090	90(3.54")	185*(48~344)	2~96	Signal ~ 10A	600VAC/VDC	250RPM
MT100	100(3.94")	185*(48~344)	2~96	Signal ~ 10A	600VAC/VDC	250RPM
MT120	120(4.73")	215*(57~477)	2~96	Signal ~ 10A	600VAC/VDC	250RPM
MT150	150(5.91")	248*(67~487)	2~96	Signal ~ 10A	600VAC/VDC	150RPM
MT180	180(7.09")	292*(77~497)	2~96	Signal ~ 10A	600VAC/VDC	150RPM
MT210	210(8.27")	320*(87~497)	2~72	Signal ~ 10A	600VAC/VDC	50RPM

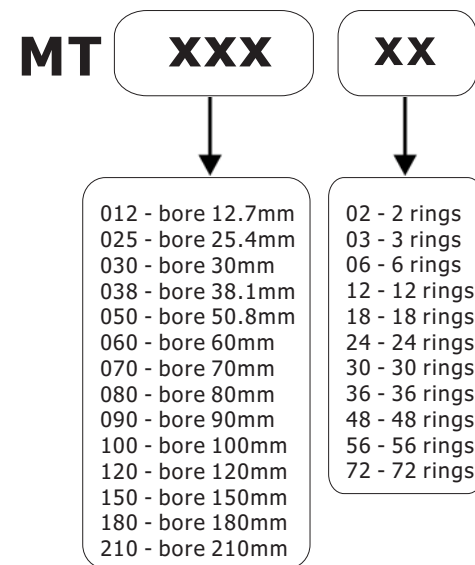
Compact slip rings with through bore

MODEL#	THROUGH BORE MM	OD*LENGTH (MM)	RINGS	CURRENT	VOLTAGE	MAX SPEED
MT007	6.8mm	24.8mm	2~12	Signal ~ 5A	250VAC/VDC	250RPM
MT013	12.7mm	35mm	2~12	Signal ~ 5A	250VAC/VDC	250RPM
MT020	20mm	45mm	2~12	Signal ~ 5A	250VAC/VDC	250RPM
MT024	25.4mm	68mm	2~12	Signal ~5A	250VAC/VDC	250RPM

If you don't see what you want in this website,let us know; we may already have it designed or we will modify a design to meet your requirements. In many cases the specifications in the catalog can be changed to include bore size, circuits number, higher current/voltage,flange, lead wire length,shielding,connectors,higher speed,IP68,military grade,higher temperature, mixed with pneumatic/hydraulic capability. Please ask if you don't see exactly what you need as only a small fraction of our Moflon slip rings are included in this catalog!

For a detailed outline drawing of a specific model number, or to request a quotation, please contact your local sales representative (see our website <http://www.moflon.com/contact.html>) or send an email to sales@moflon.com

Standard Part# Explanation



For Example:

MT01206 - bore size 12.7mm with 6 total rings

MT02512 - bore size 25.4mm with 12 total rings

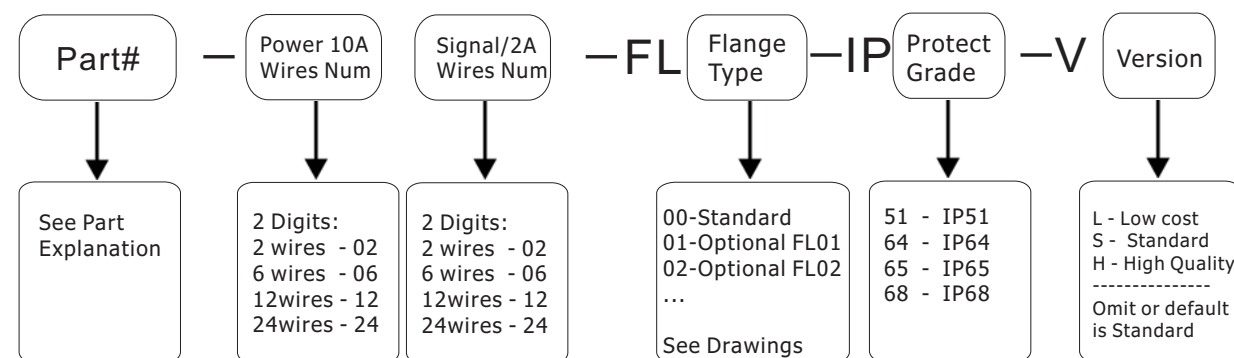
MT03818 - bore size 38.1mm with 18 total rings

MT05024 - bore size 50.8mm with 24 total rings

MT06036 - bore size 60mm with 36 total rings

MT12006 - bore size 120mm with 6 total rings

MT Series Order Instructions



*Notes: 10A rings parallel can be used as multiple 10A large current
That is to say: 3 rings parallel = 1 wires 30A

Orders Example:

MT03824-1212-LV	MT038 series,through bore size 38.1mm,24rings in total, 12rings signal+12rings*10A, Low-Cost Version.
MT03824-1014	MT038 series,through bore size 38.1mm,24rings in total, 14rings signal+10rings*10A,others are standard.
MT03836-2412-VH	MT038 series,through bore size 38.1mm, 12rings signal+24rings*10A, High-Quality Version.
MT03824-1212-FL01-IP68-VH	MT038 series,through bore size 38.1mm,24rings in total,12rings signal +12rings*10A,with Flange FL01 mounting, IP68 Protect grade

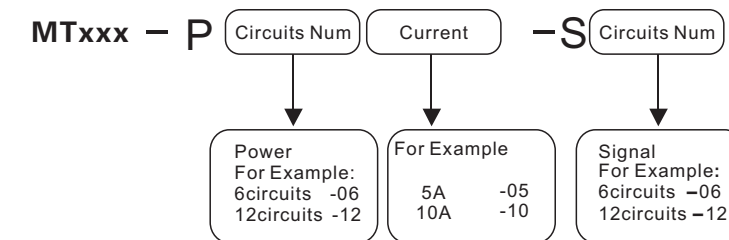
Cusomized Part Number Explanation

Build On Your Request/Special requirements

when we cann't find any one of standard part# to fit our application, what should we do?

Great! Moflon supply build-on-request service base on MT series, the delivery time of build-on-request is 2 weeks,and price is only 10%~30% more than the standard version.

Customized Order Instructions:



Other requirements:

Please describe the following special requirements:Length restrict, height restrict, other size restrict, wire exit direction,lead wire length,connectors,high temperature,large current,military grade, and some other options, and Send email to us: technical@moflon.com.

Orders Example(Customized Part number):

MT025-P0350-S12	MT038 series,through bore size 25.4mm,3rings,50A/ring + 12rings,signal(2A)/ring
MT038-P04500-S08	MT038 series,through bore size 38.1mm,4rings,500A/ring + 8rings,signal(2A)/ring
MT120-P1810-S96	MT120 series,through bore size 120mm, 18ringsX10A +96ringsXsignal(2A),Standard Version.
MT038-P1230-S12-FL01-IP68	MT038 series,through bore size 38.1mm,12rings signal +12rings*30A,with Flange FL01 mounting, IP68 Protect grade

Options

- Optional flange mounting.
- Specified the wire exit direction.
- Can combine more wires:1-56Ring
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Shielded cables
- Connectors
- Environmentally Sealed up to IP68@4Mpa
- Frequencies up to 500 MHz
- High-speed data transmission for fast Ethernet and EtherCat
- Signal, Coax, and Power combinations
- High Speed up to 20,000 rpm
- Thermocouples
- Shock, Vibration, and Temperature Qualified
- Pneumatic/Hydraulic Capability
- High temperature---up to 450 degree
- High Voltage & large Current(1000A)
- IP65,IP68 are avialable.
- Military Grade.

Shaft Mounted Instructions

Mounting Instructions(For Through bore style)

1.Main shaft mouted units:

A.Position the slip ring in the desired location and tighten both set screws to the shaft.

Maximum torque 25Ib-in(DO NOT OVER TORQUE)

B.Route the wiring and make the neccessary connections.Do not allow the wiring to restrict free rotation of the slip ring.Do not constrain wiring such that wire flexing occurs.Doing so will ultimately cause failure(breakage of the wiring).

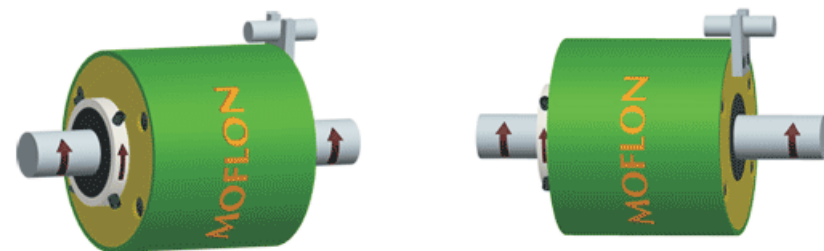
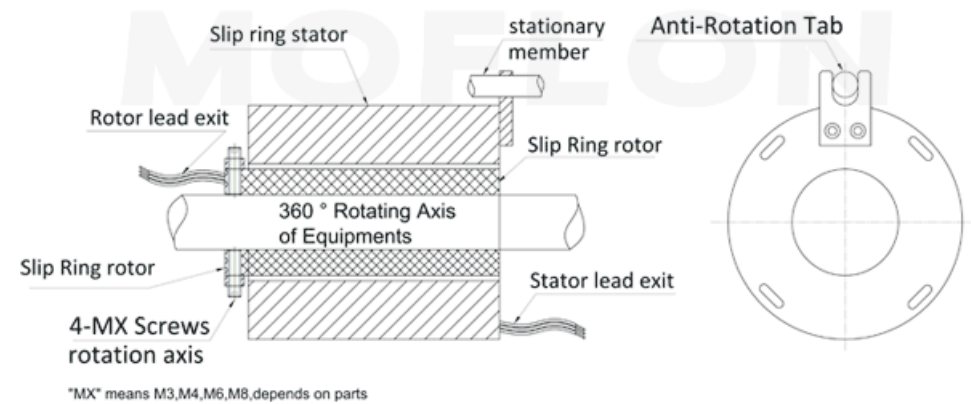
2.Housing mouted units:

A.Anti-Rotation tap used for connecting the stator of slip ring with the stationary member of euipment

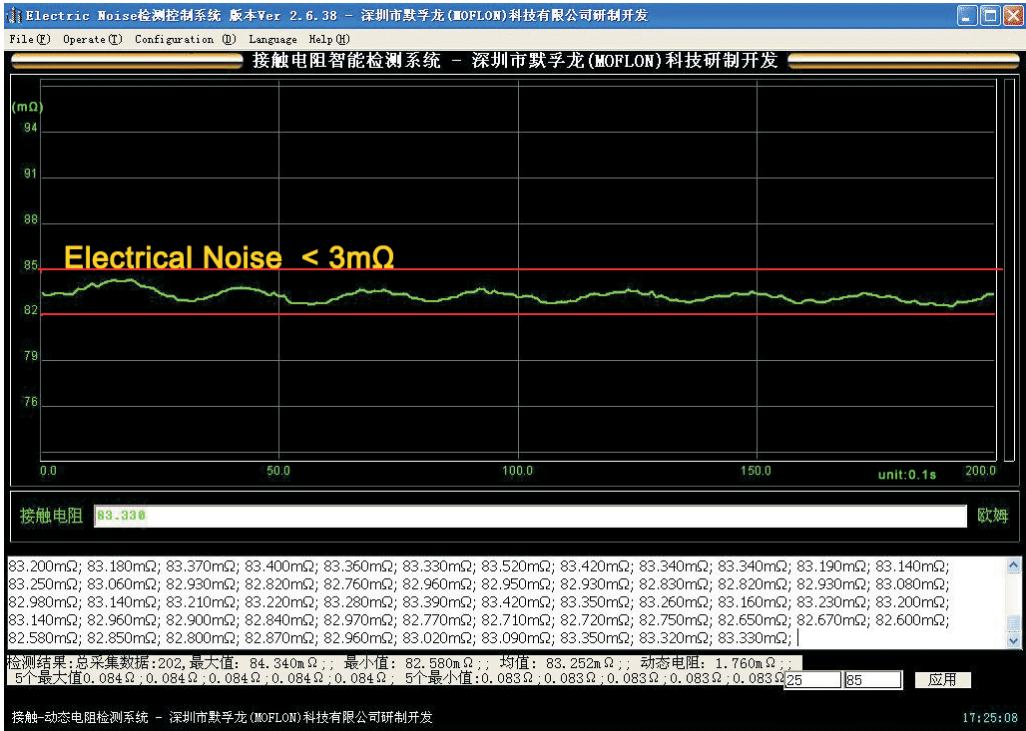
B.Route the wiring and make the neccessary connections.Do not allow the wiring to restrict free rotation of the slip ring.

If you don't see what you want in this website,let us know; we may already have it designed or we will modify a design to meet your requirements. In many cases the specifications in the catalog can be changed to include bore size, circuits number, higher current/voltage,flange, lead wire length,shielding,connectors,higher speed,IP68,military grade,higher temperature, mixed with pneumatic/hydraulic capability. Please ask if you don't see exactly what you need as only a small fraction of our Moflon slip rings are included in this catalog!

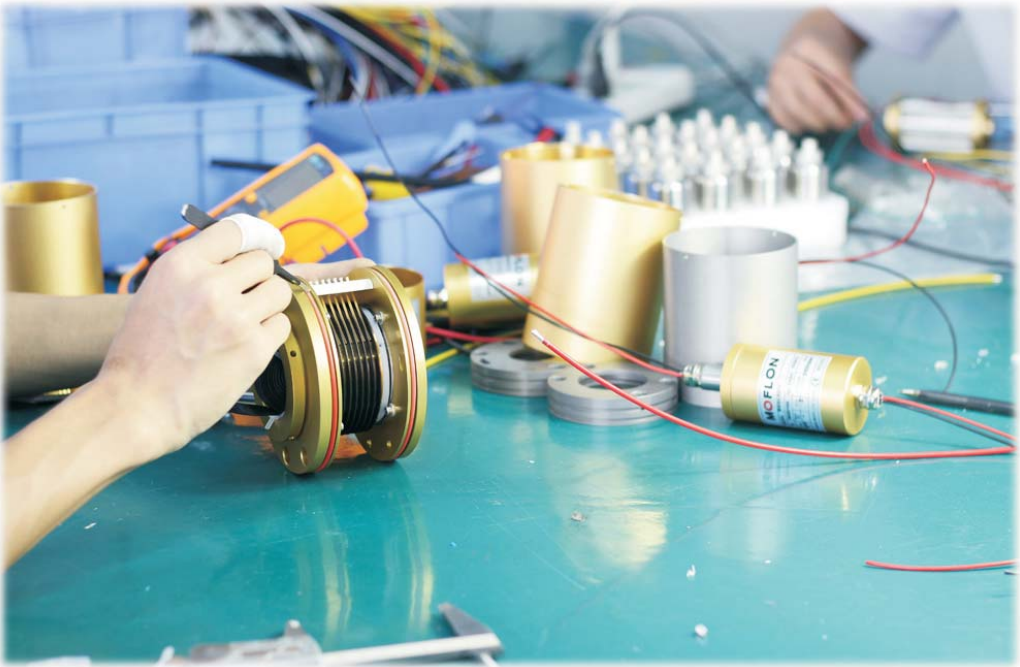
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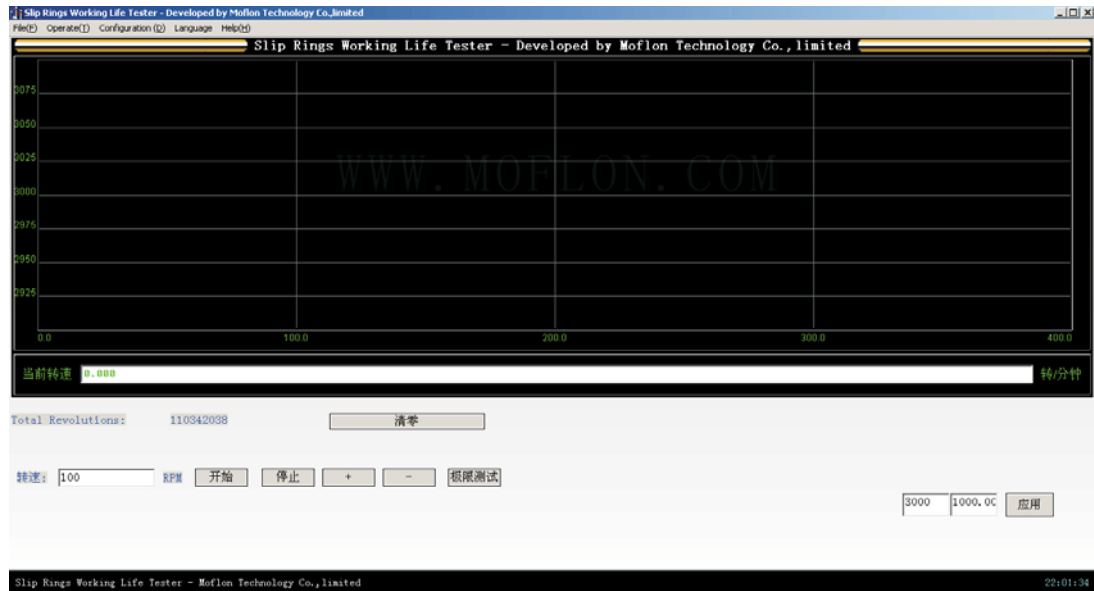
Electrical Noise Test System



Slip Rings Assembly Work Shop



Working life Test System



MT012 Series

Through bore 12.7mm(1/2"),Overall Diameter: 56mm

Mt012 series provides a 12.7mm(1/2") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 56mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT012 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, multiple 10A current at max 440VAC/VDC



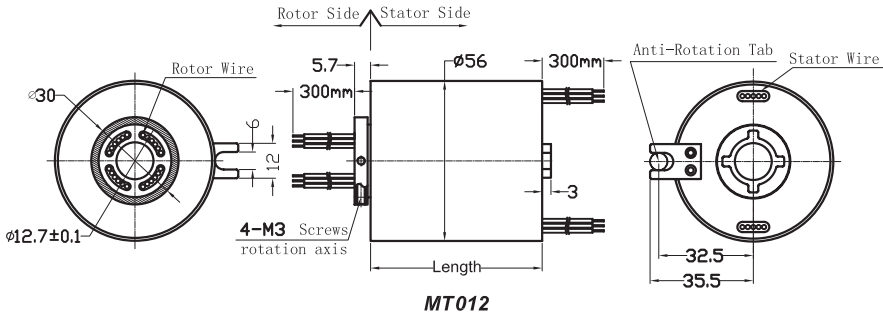
Specifications			
Circuits	2~48(see next page)	Current	Signal(2A),10A
Voltage	440 VDC/VAC	Max speed	1000RPM
Through bore size	12.7mm(1/2")	Overall diameter	56mm(2.2")
Housing Material	Aluminium Alloy	Torque	0.05N.m;+0.03N.m/6rings
Working life	depends on working speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5mOhm	Contact Resistance	<2mOhm
Dielectric strength	800VDC@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

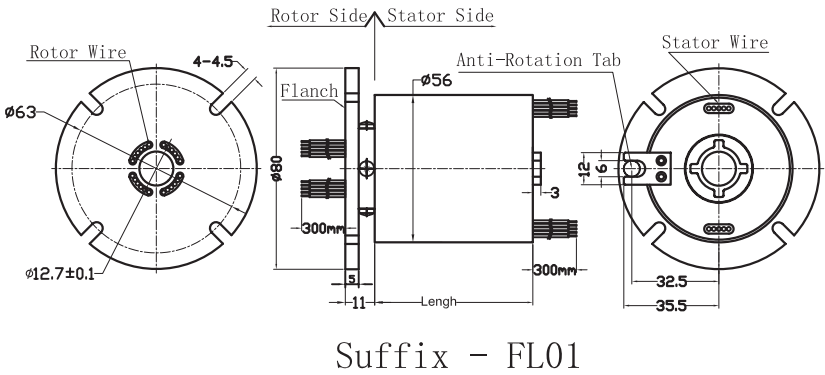
12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12, Color Goups are indicated with number code pipe.

Drawings

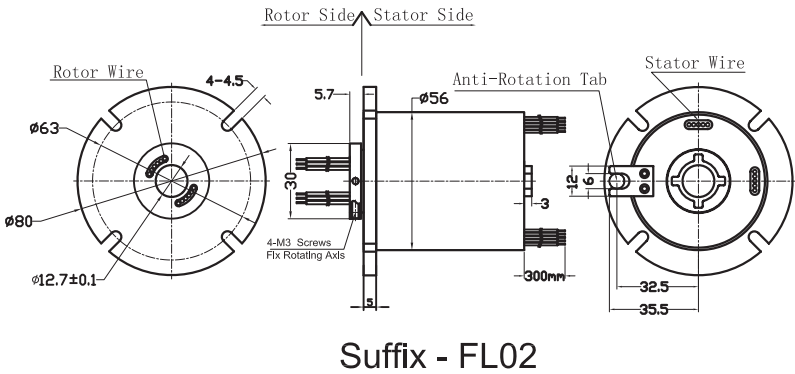
Standard drawings:



Optional FI01 Rotor Flanges drawings:



Optional FI02 Stator Flanges drawings:



MT012 - MT SERIES

MT012 - MT SERIES

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

MT01202 (Length=26.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01202-0200	2	0	MT01202-0002	0	2

MT01203 (Length=29.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01203-0300	3	0	MT01203-0003	0	3
MT01203-0102	1	2	MT01203-0201	2	1

MT01206 (Length=38mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01206-0600	6	0	MT01206-0006	0	6
MT01206-0204	2	4	MT01206-0402	4	2

MT01212 (Length=54.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01212-1200	12	0	MT01212-0012	0	12
MT01212-0210	2	10	MT01212-0408	4	8
MT01212-0606	6	6	MT01212-0804	8	4
MT01212-1002	10	2			

MT01218 (Length=71.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01218-1800	18	0	MT01218-0018	0	18
MT01218-0216	2	16	MT01218-0414	4	14
MT01218-0612	6	12	MT01218-0810	8	10
MT01218-1008	10	8	MT01218-1206	12	6
MT01218-1404	14	4	MT01218-1602	16	2

MT01224 (Length=88.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01224-2400	24	0	MT01224-0024	0	24
MT01224-0618	6	18	MT01224-1212	12	12
MT01224-1806	18	6			

MT01230 (Length=105mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01230-3000	30	0	MT01230-0030	0	30
MT01230-0624	6	24	MT01230-1218	12	18
MT01230-1812	18	12	MT01230-2406	24	6

MT01236 (Length=122mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01236-3600	36	0	MT01236-0036	0	36
MT01236-0630	6	30	MT01236-1224	12	24
MT01236-1818	18	18	MT01236-2412	24	12
MT01236-3006	30	6			

MT01242 (Length=138.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01242-4200	42	0	MT01242-0042	0	42
MT01242-0636	6	36	MT01242-1230	12	30
MT01242-1824	18	24	MT01242-2418	24	18
MT01242-3012	30	12	MT01242-3606	36	6

MT01248 (Length=155.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT01248-4800	48	0	MT01248-0048	0	48
MT01248-0642	6	42	MT01248-1236	12	36
MT01248-1830	18	30	MT01248-2424	24	24
MT01248-3018	30	18	MT01248-3612	36	12
MT01248-4206	42	6			

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

MT013 Series

Through bore 12.7mm(1/2"),Overall Diameter:35mm

Mt013 series provides a 12.7mm(1/2") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 35mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT013 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), 5A current at max 250VAC/VDC



Specifications			
Rings	2~12(see table as below)	Current	Signal(5A)
Voltage	250 VDC/VAC	Max speed	250RPM
Through bore size	12.7mm(1/2")	Overall diameter	35mm(1.38")
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	<5mOhm	Contact Resistance	<2mOhm
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg22
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 70% RH
Materials	Lead Free,RoHS compliant	Certified	YES

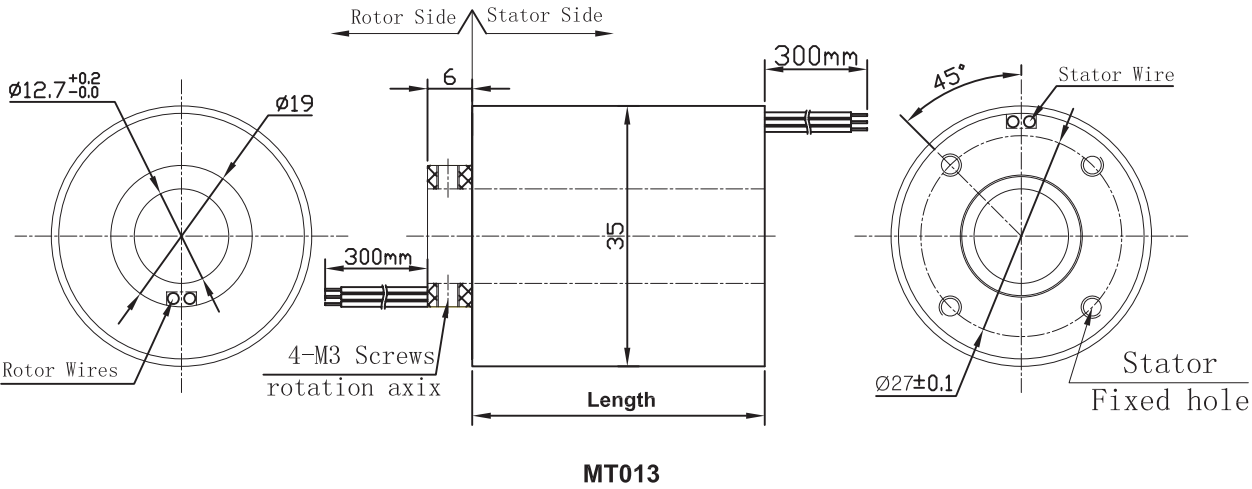
Parts#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT01302	2	(Signal or Power 5A)/ring	25mm
MT01304	3	(Signal or Power 5A)/ring	29.8mm
MT01306	6	(Signal or Power 5A)/ring	34.5mm
MT01312	12	(Signal or Power 5A)/ring	48mm

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:



MT020 Series

Through bore 20mm,Overall Diameter:45mm

MT020 series provides a 20mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 45mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT020 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), 5A current at max 250VAC/VDC



Specifications			
Rings	2~12(see table as below)	Current	Signal(5A)
Voltage	250 VDC/VAC	Max speed	250RPM
Through bore size	20.00mm	Overall diameter	45mm
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	<5mOhm	Contact Resistance	<2mOhm
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg22
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 70% RH
Materials	Lead Free,RoHS compliant	Certified	YES

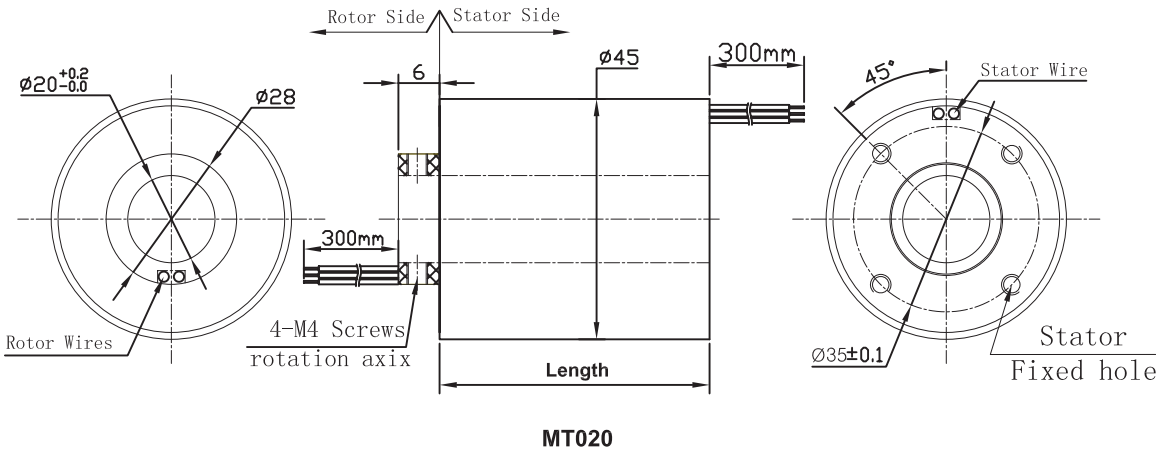
Parts#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT02002	2	(Signal or Power 5A)/ring	30mm
MT02004	3	(Signal or Power 5A)/ring	36mm
MT02006	6	(Signal or Power 5A)/ring	42mm
MT02012	12	(Signal or Power 5A)/ring	60mm

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:



MT020

MT024 Series

Through bore 25.4mm,Overall Diameter:68mm

MT024 series provides a 25.4mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 68mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT024 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 max 250VAC/VDC



Specifications			
Rings	2~12(see table as below)	Current	Signal,5A
Voltage	250 VDC/VAC	Max speed	250RPM
Through bore size	25.40mm	Overall diameter	68mm
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	<5mOhm	Contact Resistance	<2mOhm
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg22
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 70% RH
Materials	Lead Free,RoHS compliant	Certified	YES

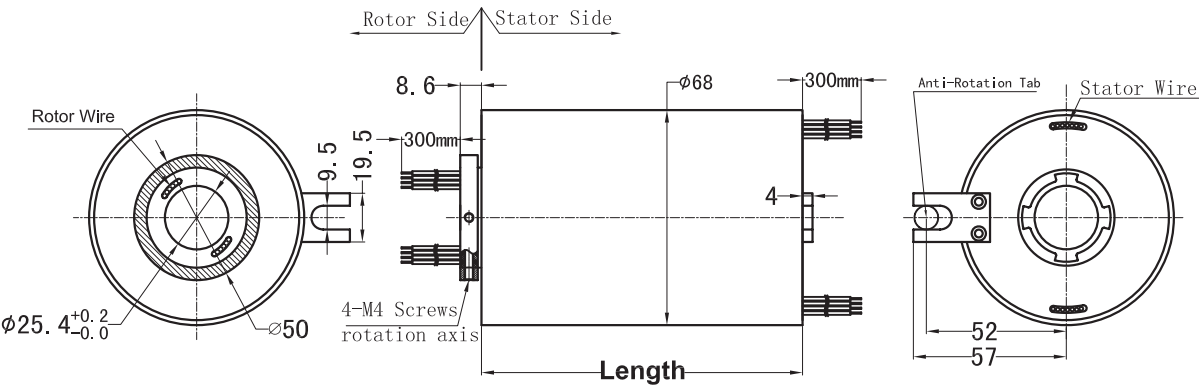
Parts#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT02402	2	(Signal or Power 5A)/ring	30mm
MT02404	3	(Signal or Power 5A)/ring	36mm
MT02406	6	(Signal or Power 5A)/ring	42mm
MT02412	12	(Signal or Power 5A)/ring	60mm

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:



MT024

MT025 Series

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



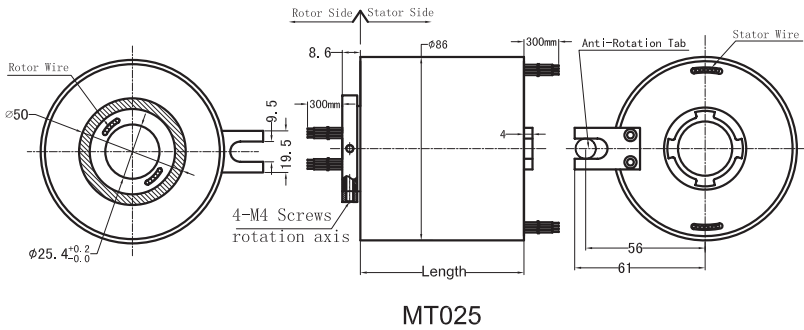
Mt025 series provides a 25.4mm(1") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 86mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

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

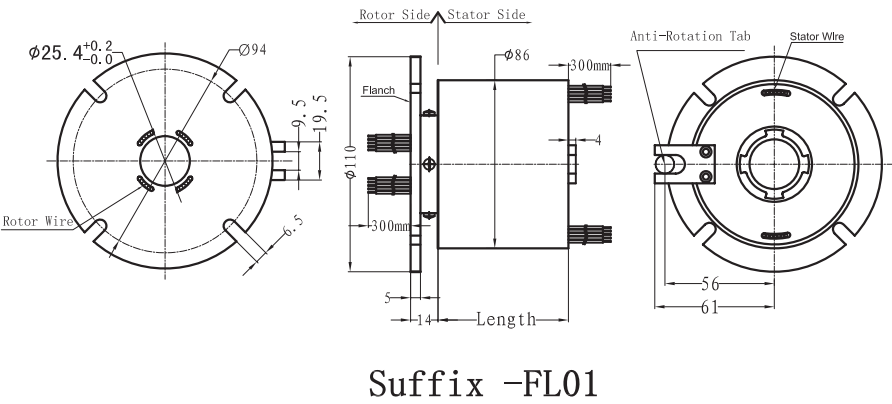
Specifications			
Rings	2~72(see next page)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	1000RPM
Through bore size	25.4mm(1")	Overall diameter	86mm(3.38")
Housing Material	Aluminium Alloy	Torque	0.05N.m;+0.03N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical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

Drawings

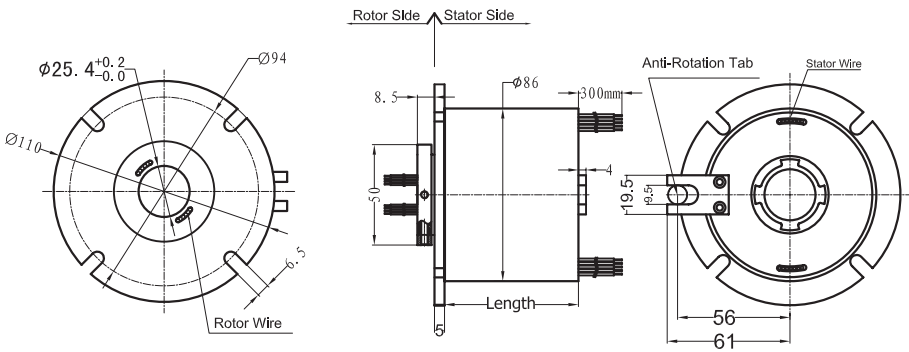
Standard drawings:



Optional FI01 Rotor Flanges drawings:



Optional FI03 Stator Flanges 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.

MT025 - MT SERIES

MT025 - MT SERIES

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

MT030 Series

Through bore 30.00mm(1.18"),Overall Diameter: 99mm(3.9")

Mt030series provides a 30.00mm(1.18") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 99mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT030 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 max 600VAC/VDC



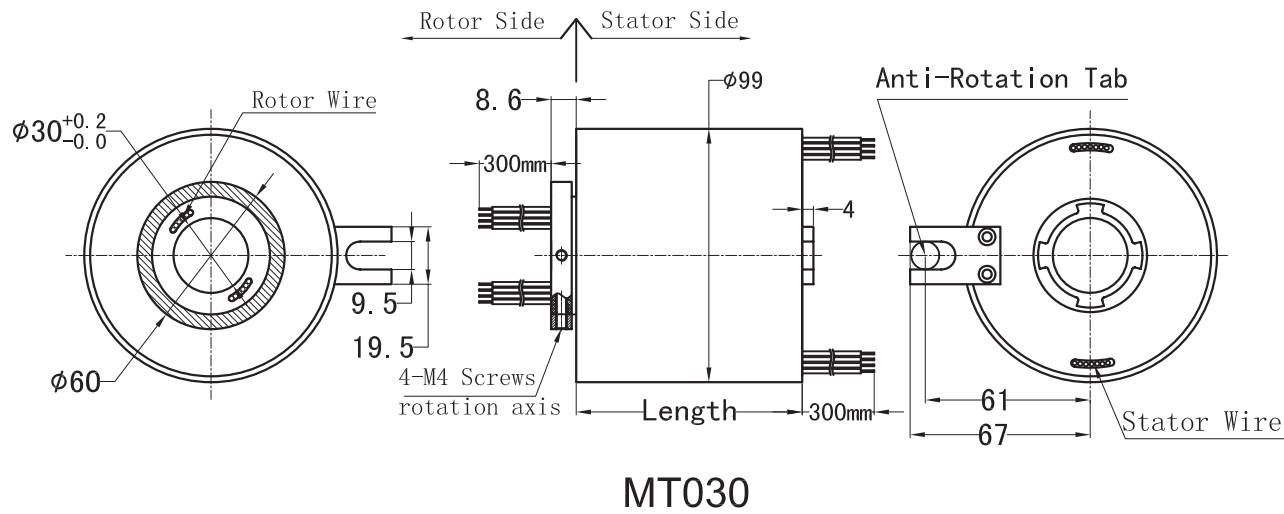
Specifications			
Rings	2~96(see next page)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	1000RPM
Through bore size	30mm(1.18")	Overall diameter	99mm(3.9")
Housing Material	Aluminium Alloy	Torque	0.05N.m; +0.03N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5 mOhm	Contact Resistance	<2 mOhm
Dielectric strength	800VDC@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

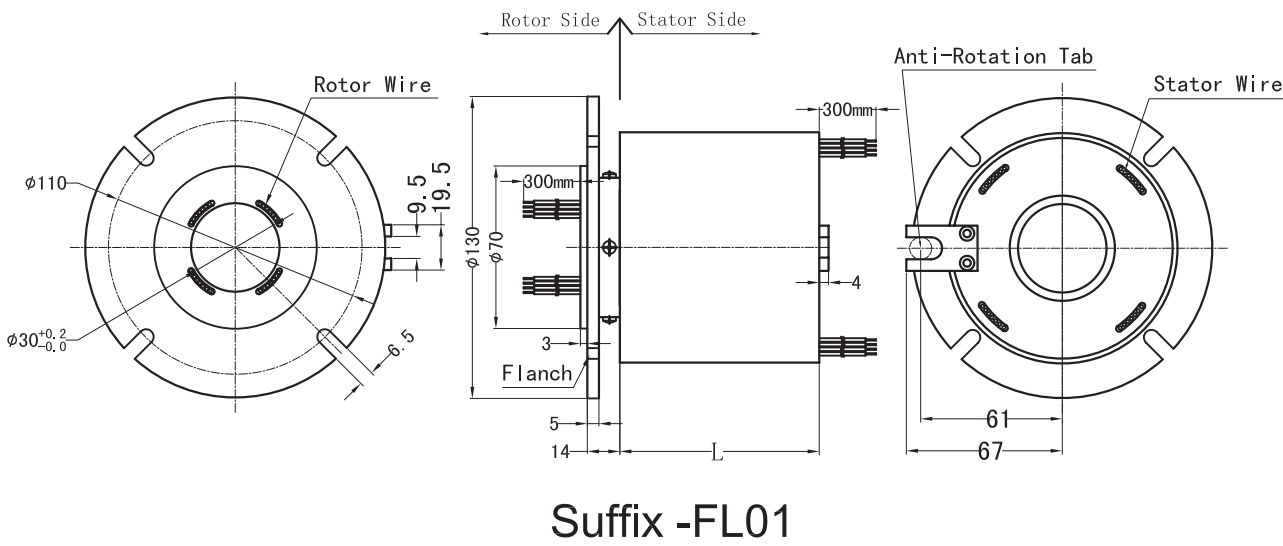
12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12,indicated with number code pipe.

Drawings

Standard drawings:



Optional Flanges drawings:



MT030 - MT SERIES

MT030 - MT SERIES

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

MT03002 (Length=31.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03002-0200	2	0	MT03002-0002	0	2

MT03003 (Length=35mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03003-0300	3	0	MT03003-0003	0	3
MT03003-0102	1	2	MT03003-0201	2	1

MT03006 (Length=45mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03006-0600	6	0	MT03006-0006	0	6
MT03006-0204	2	4	MT03006-0402	4	2

MT03012(Length=65.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03012-1200	12	0	MT03012-0012	0	12
MT03012-0210	2	10	MT03012-0408	4	8
MT03012-0606	6	6	MT03012-0804	8	4
MT03012-1002	10	2			

MT03018 (Length=86mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03018-1800	18	0	MT03018-0018	0	18
MT03018-0216	2	16	MT03018-0414	4	14
MT03018-0612	6	12	MT03018-0810	8	10
MT03018-1008	10	8	MT03018-1206	12	6
MT03018-1404	14	4	MT03018-1602	16	2

MT03024(Length=106.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03024-2400	24	0	MT03024-0024	0	24
MT03024-0618	6	18	MT03024-1212	12	12
MT03024-1806	18	6			

MT03030(Length=126.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03030-3000	30	0	MT03030-0030	0	30
MT03030-0624	6	24	MT03030-1218	12	18
MT03030-1812	18	12	MT03030-2406	24	6

MT03036 (Length=147mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03036-3600	36	0	MT03036-0036	0	36
MT03036-0630	6	30	MT03036-1224	12	24
MT03036-1818	18	18	MT03036-2412	24	12
MT03036-3006	30	6			

MT03042 (Length=167.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03042-4200	42	0	MT03042-0042	0	42
MT03042-0636	6	36	MT03042-1230	12	30
MT03042-1824	18	24	MT03042-2418	24	18
MT03042-3012	30	12	MT03042-3606	36	6

MT03048 (Length=188mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03048-4800	48	0	MT03048-0048	0	48
MT03048-0642	6	42	MT03048-1236	12	36
MT03048-1830	18	30	MT03048-2424	24	24
MT03048-3018	30	18	MT03048-3612	36	12
MT03048-4206	42	6			

MT03056 (Length=215mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03056-5600	56	0	MT03056-0056	0	56
MT03056-0650	6	50	MT03056-1244	12	44
MT03056-1838	18	38	MT03056-2432	24	32
MT03056-3620	36	20	MT03056-4808	48	8

MT03072(Length=269.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03072-7200	72	0	MT03072-0072	0	72
MT03072-1260	12	60	MT03072-2448	24	48
MT03072-3042	30	42	MT03072-3636	36	36
MT03072-4824	48	24	MT03072-6012	60	12

MT03096 (Length=351mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03096-9600	96	0	MT03096-0096	0	96
MT03096-1284	12	84	MT03096-2472	24	72
MT03096-3660	36	60	MT03096-4848	48	48
MT03096-6036	60	36	MT03096-7224	72	24

MT038 Series

Through bore 38.10mm(1.5"),Overall Diameter: 99mm (3.9")

Mt038series provides a 38.10mm(1.5") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 99mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT038 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 max 600VAC/VDC



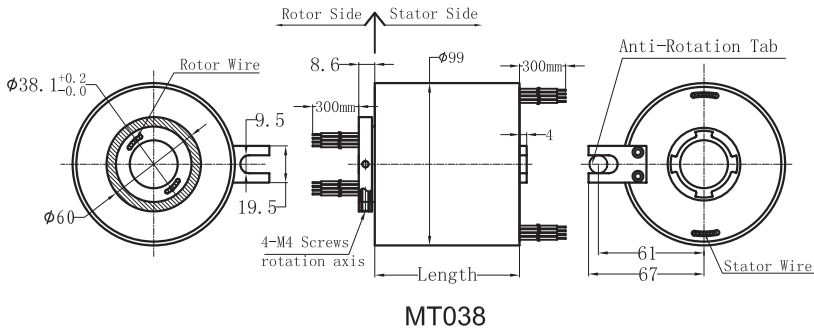
Specifications			
Rings	2~96(see next page)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	1000RPM
Through bore size	38.1mm(1.5")	Overall diameter	99mm(3.9")
Housing Material	Aluminium Alloy	Torque	0.05N.m; +0.03N.m/6rings
Working life	Depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5 mOhm	Contact Resistance	<2mOhm
Dielectric strength	800VDC@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

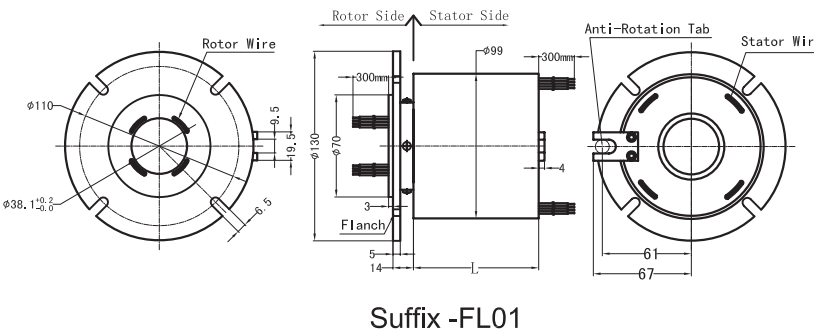
12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12,indicated with number code pipe.

Drawings

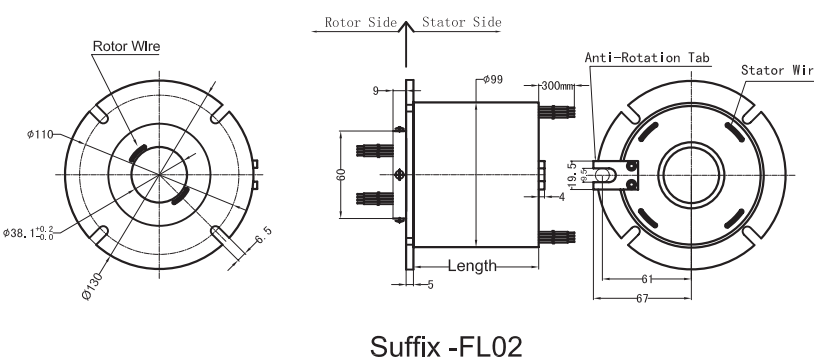
Standard drawings:



Optional FI01 Rotor Flanges drawings:



Optional FI02 Stator Flanges drawings:



MT038 - MT SERIES

MT038 - MT SERIES

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**

MT03802 (Length=31.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03802-0200	2	0	MT03802-0002	0	2

MT03803 (Length=35mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03803-0300	3	0	MT03803-0003	0	3
MT03803-0102	1	2	MT03803-0201	2	1

MT03806 (Length=45mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03806-0600	6	0	MT03806-0006	0	6
MT03806-0204	2	4	MT03806-0402	4	2

MT03812(Length=65.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03812-1200	12	0	MT03812-0012	0	12
MT03812-0210	2	10	MT03812-0408	4	8
MT03812-0606	6	6	MT03812-0804	8	4
MT03812-1002	10	2			

MT03818 (Length=86mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03818-1800	18	0	MT03818-0018	0	18
MT03818-0216	2	16	MT03818-0414	4	14
MT03818-0612	6	12	MT03818-0810	8	10
MT03818-1008	10	8	MT03818-1206	12	6
MT03818-1404	14	4	MT03818-1602	16	2

MT03824(Length=106.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03824-2400	24	0	MT03824-0024	0	24
MT03824-0618	6	18	MT03824-1212	12	12
MT03824-1806	18	6			

MT03830 (Length=126mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03830-3000	30	0	MT03830-0030	0	30
MT03830-0624	6	24	MT03830-1218	12	18
MT03830-1812	18	12	MT03830-2406	24	6

MT03836 (Length=147mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03836-3600	36	0	MT03836-0036	0	36
MT03836-0630	6	30	MT03836-1224	12	24
MT03836-1818	18	18	MT03836-2412	24	12
MT03836-3006	30	6			

MT03842 (Length=167.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03842-4200	42	0	MT03842-0042	0	42
MT03842-0636	6	36	MT03842-1230	12	30
MT03842-1824	18	24	MT03842-2418	24	18
MT03842-3012	30	12	MT03842-3606	36	6

MT03848 (Length=188mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03848-4800	48	0	MT03848-0048	0	48
MT03848-0642	6	42	MT03848-1236	12	36
MT03848-1830	18	30	MT03848-2424	24	24
MT03848-3018	30	18	MT03848-3612	36	12
MT03848-4206	42	6			

MT03856 (Length=215mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03856-5600	56	0	MT03856-0056	0	56
MT03856-0650	6	50	MT03856-1244	12	44
MT03856-1838	18	38	MT03856-2432	24	32
MT03856-3620	36	20	MT03856-4808	48	8

MT03872(Length=269.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03872-7200	72	0	MT03872-0072	0	72
MT03872-1260	12	60	MT03872-2448	24	48
MT03872-3042	30	42	MT03872-3636	36	36
MT03872-4824	48	24	MT03872-6012	60	12

MT03896(Length=351mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT03896-9600	96	0	MT03896-0096	0	96
MT03896-1284	12	84	MT03896-2472	24	72
MT03896-3660	36	60	MT03896-4848	48	48
MT03896-6036	60	36	MT03896-7224	72	24

Mt050 Series

Through bore 50.8mm(2"),Overall Diameter: 120mm (4.72")
50mm bore size are optional

Mt050series provides a 50.8mm(2") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 120mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT050 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 max 600VAC/VDC



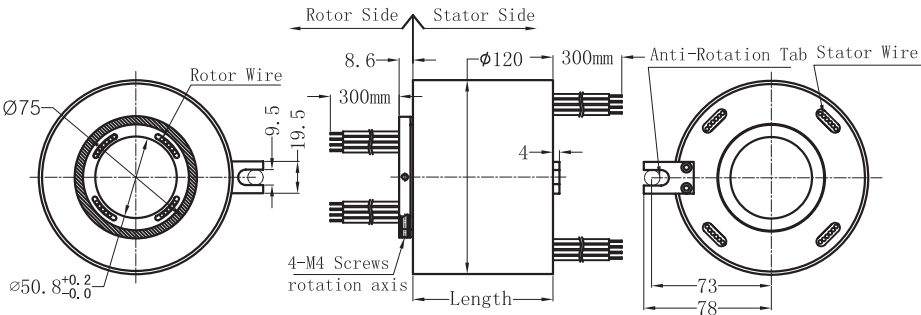
Specifications			
Rings	2~96(see next page)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	600RPM
Through bore size	50.8mm(2")	Overall diameter	120mm(4.72")
Housing Material	Aluminium Alloy	Torque	0.05N.m; +0.03N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	<2 mOhm
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.

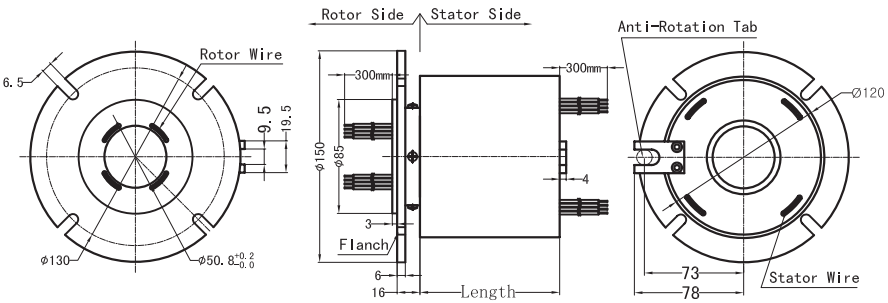
Drawings

Standard drawings:



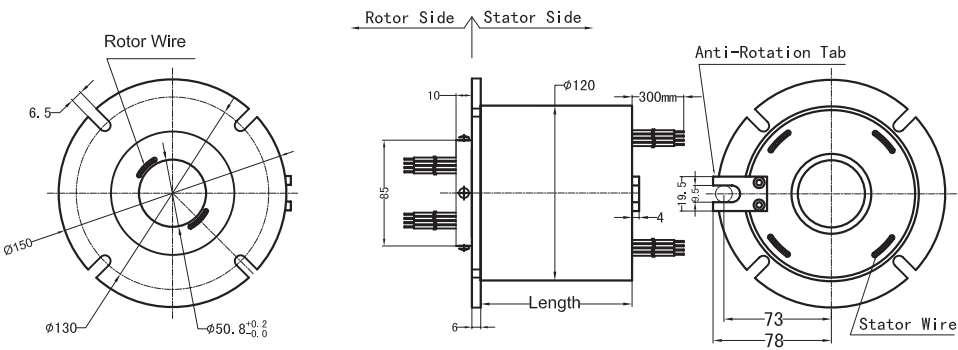
MT050

Optional FI01 Rotor Flanges drawings:



Suffix -FL01

Optional FI02 Stator Flanges drawings:



Suffix -FL02

MT050 - MT SERIES

MT050 - MT SERIES

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

MT05002 (Length=36mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05002-0200	2	0	MT05002-0002	0	2

MT05003 (Length=39.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05003-0300	3	0	MT05003-0003	0	3
MT05003-0102	1	2	MT05003-0201	2	1

MT05006 (Length=51mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05006-0600	6	0	MT05006-0006	0	6
MT05006-0204	2	4	MT05006-0402	4	2

MT05012 (Length=74mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05012-1200	12	0	MT05012-0012	0	12
MT05012-0210	2	10	MT05012-0408	4	8
MT05012-0606	6	6	MT05012-0804	8	4
MT05012-1002	10	2			

MT05018 (Length=96.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05018-1800	18	0	MT05018-0018	0	18
MT05018-0216	2	16	MT05018-0414	4	14
MT05018-0612	6	12	MT05018-0810	8	10
MT05018-1008	10	8	MT05018-1206	12	6
MT05018-1404	14	4	MT05018-1602	16	2

MT05024 (Length=119.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05024-2400	24	0	MT05024-0024	0	24
MT05024-0618	6	18	MT05024-1212	12	12
MT05024-1806	18	6			

MT05030 (Length=142.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05030-3000	30	0	MT05030-0030	0	30
MT05030-0624	6	24	MT05030-1218	12	18
MT05030-1812	18	12	MT05030-2406	24	6

MT05036 (Length=165mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05036-3600	36	0	MT05036-0036	0	36
MT05036-0630	6	30	MT05036-1224	12	24
MT05036-1818	18	18	MT05036-2412	24	12
MT05036-3006	30	6			

MT05042 (Length=188mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05042-4200	42	0	MT05042-0042	0	42
MT05042-0636	6	36	MT05042-1230	12	30
MT05042-1824	18	24	MT05042-2418	24	18
MT05042-3012	30	12	MT05042-3606	36	6

MT05048 (Length=210.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05048-4800	48	0	MT05048-0048	0	48
MT05048-0642	6	42	MT05048-1236	12	36
MT05048-1830	18	30	MT05048-2424	24	24
MT05048-3018	30	18	MT05048-3612	36	12
MT05048-4206	42	6			

MT05056 (Length=241mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05056-5600	56	0	MT05056-0056	0	56
MT05056-0650	6	50	MT05056-1244	12	44
MT05056-1838	18	38	MT05056-2432	24	32
MT05056-3620	36	20	MT05056-4808	48	8

MT05072 (Length=302mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05072-7200	72	0	MT05072-0072	0	72
MT05072-1260	12	60	MT05072-2448	24	48
MT05072-3042	30	42	MT05072-3636	36	36
MT05072-4824	48	24	MT05072-6012	60	12

MT05096 (Length=393mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT05096-9600	96	0	MT05096-0096	0	96
MT05096-1284	12	84	MT05096-2472	24	72
MT05096-3660	36	60	MT05096-4848	48	48
MT05096-6036	60	36	MT05096-7224	72	24

MT060 Series

Through bore 60mm(2.36"),Overall Diameter: 130mm (5.12")

MT060series provides a 60mm(2.36") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 130mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

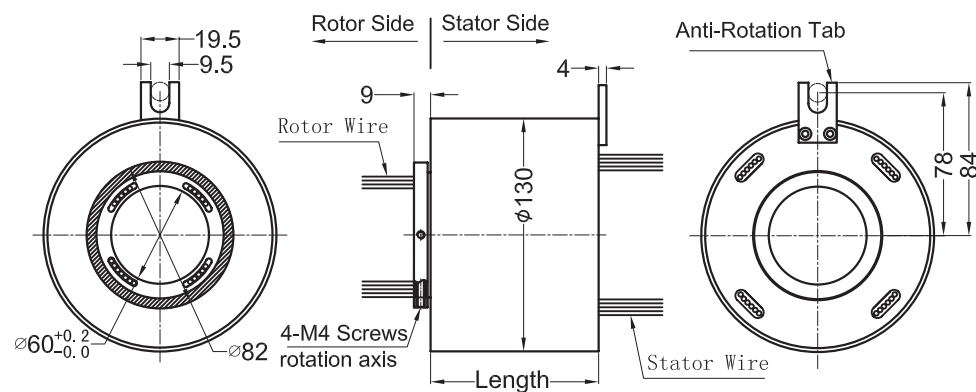


Specifications

Rings	2~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	600RPM
Through bore size	60mm(2.36")	Overall diameter	130mm(5.12")
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	<10 mOhm	Contact Resistance	< 2 mOhm
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:



MT060

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

MT06002 (Length=35.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06002-0200	2	0	MT06002-0002	0	2

MT06003 (Length=39.2mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06003-0300	3	0	MT06003-0003	0	3
MT06003-0102	1	2	MT06003-0201	2	1

MT06006 (Length=50mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06006-0600	6	0	MT06006-0006	0	6
MT06006-0204	2	4	MT06006-0402	4	2

MT06012 (Length=71.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06012-1200	12	0	MT06012-0012	0	12
MT06012-0210	2	10	MT06012-0408	4	8
MT06012-0606	6	6	MT06012-0804	8	4
MT06012-1002	10	2			

MT06018 (Length=93mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06018-1800	18	0	MT06018-0018	0	18
MT06018-0216	2	16	MT06018-0414	4	14
MT06018-0612	6	12	MT06018-0810	8	10
MT06018-1008	10	8	MT06018-1206	12	6
MT06018-1404	14	4	MT06018-1602	16	2

MT06024 (Length=114.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06024-2400	24	0	MT06024-0024	0	24
MT06024-0618	6	18	MT06024-1212	12	12
MT06024-1806	18	6			

Parts List

MT06030 (Length=136.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06030-3000	30	0	MT06030-0030	0	30
MT06030-0624	6	24	MT06030-1218	12	18
MT06030-1812	18	12	MT06030-2406	24	6

MT06036 (Length=158mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06036-3600	36	0	MT06036-0036	0	36
MT06036-0630	6	30	MT06036-1224	12	24
MT06036-1818	18	18	MT06036-2412	24	12
MT06036-3006	30	6			

MT06042 (Length=179.6mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06042-4200	42	0	MT06042-0042	0	42
MT06042-0636	6	36	MT06042-1230	12	30
MT06042-1824	18	24	MT06042-2418	24	18
MT06042-3012	30	12	MT06042-3606	36	6

MT06048 (Length=200mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06048-4800	48	0	MT06048-0048	0	48
MT06048-0642	6	42	MT06048-1236	12	36
MT06048-1830	18	30	MT06048-2424	24	24
MT06048-3018	30	18	MT06048-3612	36	12
MT06048-4206	42	6			

MT06056 (Length=230mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06056-5600	56	0	MT06056-0056	0	56
MT06056-0650	6	50	MT06056-1244	12	44
MT06056-1838	18	38	MT06056-2432	24	32
MT06056-3620	36	20	MT06056-4808	48	8

MT06072 (Length=287.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06072-7200	72	0	MT06072-0072	0	72
MT06072-1260	12	60	MT06072-2448	24	48
MT06072-3042	30	42	MT06072-3636	36	36
MT06072-4824	48	24	MT06072-6012	60	12

MT06096 (Length=374mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT06096-9600	96	0	MT06096-0096	0	96
MT06096-1284	12	84	MT06096-2472	24	72
MT06096-3660	36	60	MT06096-4848	48	48
MT06096-6036	60	36	MT06096-7224	72	24

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

MT070 Series

Through bore 70mm(2.76"),Overall Diameter: 140mm

MT070 series provides a 70mm(2.76") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 140mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

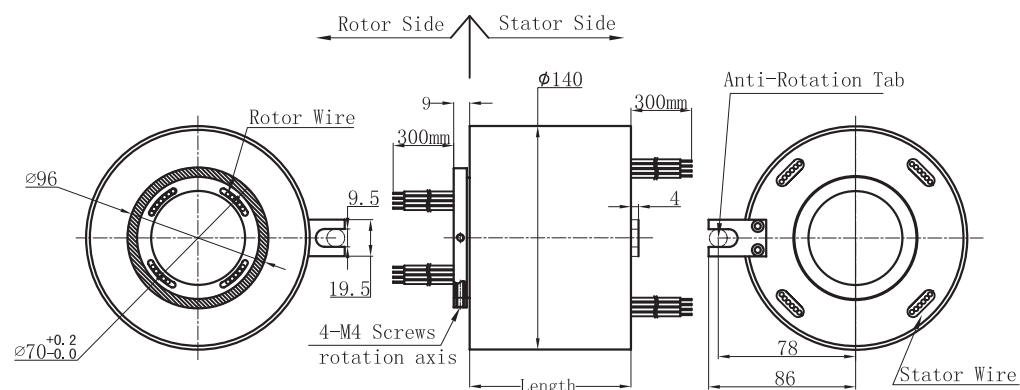


Specifications

Rings	3~96(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	500RPM
Through bore size	70mm(2.76")	Overall diameter	140mm(5.51")
Housing Material	Aluminium Alloy	Torque	0.08N.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:



MT070

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

MT07002 (Length=42mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07002-0200	2	0	MT07002-0002	0	2

MT07003 (Length=46mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07003-0300	3	0	MT07003-0003	0	3
MT07003-0102	1	2	MT07003-0201	2	1

MT07006 (Length=58mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07006-0600	6	0	MT07006-0006	0	6
MT07006-0204	2	4	MT07006-0402	4	2

MT07012 (Length=82mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07012-1200	12	0	MT07012-0012	0	12
MT07012-0210	2	10	MT07012-0408	4	8
MT07012-0606	6	6	MT07012-0804	8	4
MT07012-1002	10	2			

MT07018 (Length=106mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07018-1800	18	0	MT07018-0018	0	18
MT07018-0216	2	16	MT07018-0414	4	14
MT07018-0612	6	12	MT07018-0810	8	10
MT07018-1008	10	8	MT07018-1206	12	6
MT07018-1404	14	4	MT07018-1602	16	2

MT07024 (Length=130mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07024-2400	24	0	MT07024-0024	0	24
MT07024-0618	6	18	MT07024-1212	12	12
MT07024-1806	18	6			

Parts List

MT07030 (Length=154mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07030-3000	30	0	MT07030-0030	0	30
MT07030-0624	6	24	MT07030-1218	12	18
MT07030-1812	18	12	MT07030-2406	24	6

MT07036 (Length=178mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07036-3600	36	0	MT07036-0036	0	36
MT07036-0630	6	30	MT07036-1224	12	24
MT07036-1818	18	18	MT07036-2412	24	12
MT07036-3006	30	6			

MT07042 (Length=202mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07042-4200	42	0	MT07042-0042	0	42
MT07042-0636	6	36	MT07042-1230	12	30
MT07042-1824	18	24	MT07042-2418	24	18
MT07042-3012	30	12	MT07042-3606	36	6

MT07048 (Length=226mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07048-4800	48	0	MT07048-0048	0	48
MT07048-0642	6	42	MT07048-1236	12	36
MT07048-1830	18	30	MT07048-2424	24	24
MT07048-3018	30	18	MT07048-3612	36	12
MT07048-4206	42	6			

MT07056 (Length=262mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07056-5600	56	0	MT07056-0056	0	56
MT07056-0650	6	50	MT07056-1244	12	44
MT07056-1838	18	38	MT07056-2432	24	32
MT07056-3620	36	20	MT07056-4808	48	8

MT07072 (Length=322mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07072-7200	72	0	MT07072-0072	0	72
MT07072-1260	12	60	MT07072-2448	24	48
MT07072-3042	30	42	MT07072-3636	36	36
MT07072-4824	48	24	MT07072-6012	60	12

MT07096 (Length=418mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07096-9600	96	0	MT07096-0096	0	96
MT07096-1284	12	84	MT07096-2472	24	72
MT07096-3660	36	60	MT07096-4848	48	48
MT07096-6036	60	36	MT07096-7224	72	24

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

MT080 Series

Through bore 80mm(3.15"),Overall Diameter: 158mm

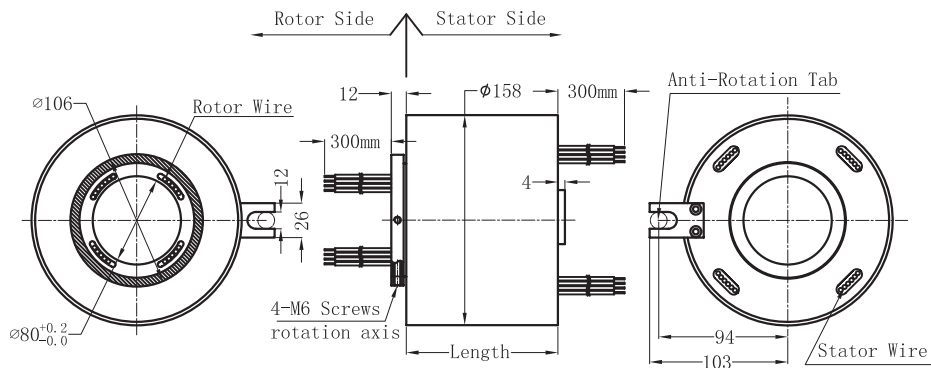
MT080 series provides a 80mm(3.15") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 158mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.



Specifications			
Rings	3~96(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	500RPM
Through bore size	80mm(3.15")	Overall diameter	158mm(6.22")
Housing Material	Aluminium Alloy	Torque	0.1N.m;+0.03N.m/6rings
Working life	Depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	<2 mOhm
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:



MT080

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

MT08002 (Length=41.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08002-0200	2	0	MT08002-0002	0	2

MT08003 (Length=45mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08003-0300	3	0	MT08003-0003	0	3
MT08003-0102	1	2	MT08003-0201	2	1

MT08006 (Length=56mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08006-0600	6	0	MT08006-0006	0	6
MT08006-0204	2	4	MT08006-0402	4	2

MT08012 (Length=77.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08012-1200	12	0	MT08012-0012	0	12
MT08012-0210	2	10	MT08012-0408	4	8
MT08012-0606	6	6	MT08012-0804	8	4
MT08012-1002	10	2			

MT08018 (Length=99mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08018-1800	18	0	MT08018-0018	0	18
MT08018-0216	2	16	MT08018-0414	4	14
MT08018-0612	6	12	MT08018-0810	8	10
MT08018-1008	10	8	MT08018-1206	12	6
MT08018-1404	14	4	MT08018-1602	16	2

MT08024 (Length=120.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08024-2400	24	0	MT08024-0024	0	24
MT08024-0618	6	18	MT08024-1212	12	12
MT08024-1806	18	6			

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**

MT08030 (Length=142.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08030-3000	30	0	MT08030-0030	0	30
MT08030-0624	6	24	MT08030-1218	12	18
MT08030-1812	18	12	MT08030-2406	24	6

MT08036 (Length=164mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08036-3600	36	0	MT08036-0036	0	36
MT08036-0630	6	30	MT08036-1224	12	24
MT08036-1818	18	18	MT08036-2412	24	12
MT08036-3006	30	6			

MT08042 (Length=185.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08042-4200	42	0	MT08042-0042	0	42
MT08042-0636	6	36	MT08042-1230	12	30
MT08042-1824	18	24	MT08042-2418	24	18
MT08042-3012	30	12	MT08042-3606	36	6

MT08048 (Length=207mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08048-4800	48	0	MT08048-0048	0	48
MT08048-0642	6	42	MT08048-1236	12	36
MT08048-1830	18	30	MT08048-2424	24	24
MT08048-3018	30	18	MT08048-3612	36	12
MT08048-4206	42	6			

MT08056 (Length=236mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08056-5600	56	0	MT08056-0056	0	56
MT08056-0650	6	50	MT08056-1244	12	44
MT08056-1838	18	38	MT08056-2432	24	32
MT08056-3620	36	20	MT08056-4808	48	8

MT08072 (Length=293.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08072-7200	72	0	MT08072-0072	0	72
MT08072-1260	12	60	MT08072-2448	24	48
MT08072-3042	30	42	MT08072-3636	36	36
MT08072-4824	48	24	MT08072-6012	60	12

MT08096 (Length=380mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT08096-9600	96	0	MT08096-0096	0	96
MT08096-1284	12	84	MT08096-2472	24	72
MT08096-3660	36	60	MT08096-4848	48	48
MT08096-6036	60	36	MT08096-7224	72	24

MT090 Series

Through bore 90mm(3.54"),Overall Diameter: 185mm

MT090 series provides a 90mm(3.54") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 185mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

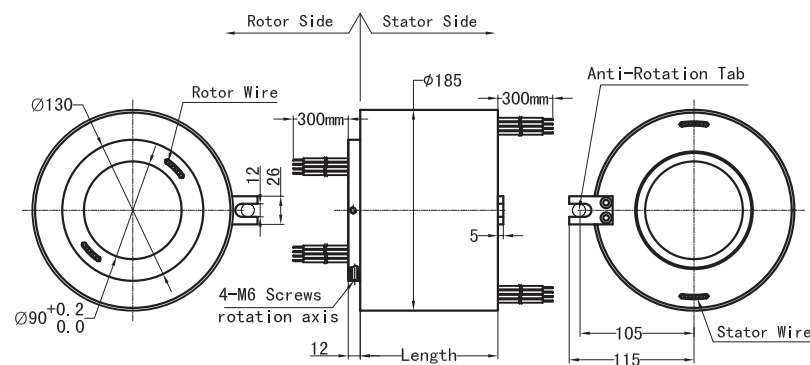


Specifications

Rings	3~96(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	250RPM
Through bore size	90mm(3.54")	Overall diameter	185mm(7.28")
Housing Material	Aluminium Alloy	Torque	0.2N.m; +0.03N.m/6rings
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	<2 mOhm
Dielectric strength	1000VDC@50Hz	Lead Wire	UL Teflon® Awg22,Awg16,Awg12
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:



MT090

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

MT09002 (Length=48mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09002-0200	2	0	MT09002-0002	0	2

MT09003 (Length=52mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09003-0300	3	0	MT09003-0003	0	3
MT09003-0102	1	2	MT09003-0201	2	1

MT09006 (Length=64mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09006-0600	6	0	MT09006-0006	0	6
MT09006-0204	2	4	MT09006-0402	4	2

MT09012 (Length=88mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09012-1200	12	0	MT09012-0012	0	12
MT09012-0210	2	10	MT09012-0408	4	8
MT09012-0606	6	6	MT09012-0804	8	4
MT09012-1002	10	2			

MT09018 (Length=112mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09018-1800	18	0	MT09018-0018	0	18
MT09018-0216	2	16	MT09018-0414	4	14
MT09018-0612	6	12	MT09018-0810	8	10
MT09018-1008	10	8	MT09018-1206	12	6
MT09018-1404	14	4	MT09018-1602	16	2

MT09024 (Length=136mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09024-2400	24	0	MT09024-0024	0	24
MT09024-0618	6	18	MT09024-1212	12	12
MT09024-1806	18	6			

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

MT09030 (Length=160mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09030-3000	30	0	MT09030-0030	0	30
MT09030-0624	6	24	MT09030-1218	12	18
MT09030-1812	18	12	MT09030-2406	24	6

MT09036 (Length=184mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09036-3600	36	0	MT09036-0036	0	36
MT09036-0630	6	30	MT09036-1224	12	24
MT09036-1818	18	18	MT09036-2412	24	12
MT09036-3006	30	6			

MT09042 (Length=208mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09042-4200	42	0	MT09042-0042	0	42
MT09042-0636	6	36	MT09042-1230	12	30
MT09042-1824	18	24	MT09042-2418	24	18
MT09042-3012	30	12	MT09042-3606	36	6

MT09048 (Length=232mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09048-4800	48	0	MT09048-0048	0	48
MT09048-0642	6	42	MT09048-1236	12	36
MT09048-1830	18	30	MT09048-2424	24	24
MT09048-3018	30	18	MT09048-3612	36	12
MT09048-4206	42	6			

MT09056 (Length=268mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09056-5600	56	0	MT09056-0056	0	56
MT09056-0650	6	50	MT09056-1244	12	44
MT09056-1838	18	38	MT09056-2432	24	32
MT09056-3620	36	20	MT09056-4808	48	8

MT09072 (Length=328mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09072-7200	72	0	MT09072-0072	0	72
MT09072-1260	12	60	MT09072-2448	24	48
MT09072-3042	30	42	MT09072-3636	36	36
MT09072-4824	48	24	MT09072-6012	60	12

MT09096 (Length=424mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09096-9600	96	0	MT09096-0096	0	96
MT09096-1284	12	84	MT09096-2472	24	72
MT09096-3660	36	60	MT09096-4848	48	48
MT09096-6036	60	36	MT09096-7224	72	24

MT100 Series

Through bore 100mm(3.94"),Overall Diameter: 185mm

MT100 series provides a 100mm(3.94") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 185mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

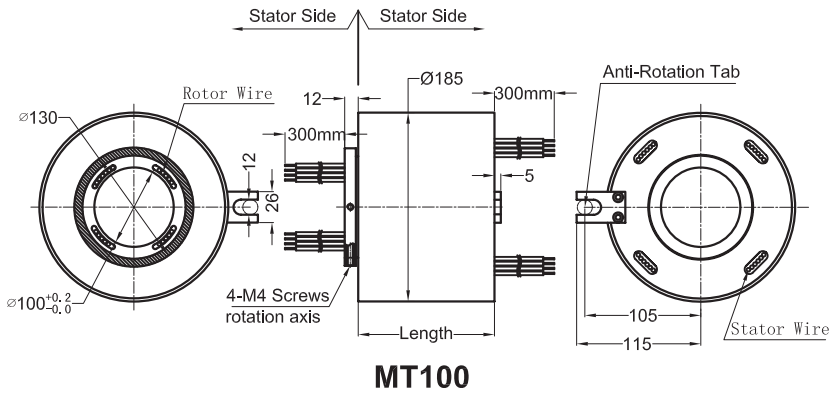


Specifications

Rings	3~96(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	250RPM
Through bore size	100mm(3.94")	Overall diameter	185mm(7.28")
Housing Material	Aluminium Alloy	Torque	0.2N.m;+0.03N.m/6rings
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	< 2 mOhm
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:



MT100

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

MT10002 (Length=48mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10002-0200	2	0	MT10002-0002	0	2

MT10003 (Length=52mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10003-0300	3	0	MT10003-0003	0	3
MT10003-0102	1	2	MT10003-0201	2	1

MT10006 (Length=64mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10006-0600	6	0	MT10006-0006	0	6
MT10006-0204	2	4	MT10006-0402	4	2

MT10012 (Length=88mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10012-1200	12	0	MT10012-0012	0	12
MT10012-0210	2	10	MT10012-0408	4	8
MT10012-0606	6	6	MT10012-0804	8	4
MT10012-1002	10	2			

MT10018 (Length=112mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10018-1800	18	0	MT10018-0018	0	18
MT10018-0216	2	16	MT10018-0414	4	14
MT10018-0612	6	12	MT10018-0810	8	10
MT10018-1008	10	8	MT10018-1206	12	6
MT10018-1404	14	4	MT10018-1602	16	2

MT10024 (Length=136mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10024-2400	24	0	MT10024-0024	0	24
MT10024-0618	6	18	MT10024-1212	12	12
MT10024-1806	18	6			

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**

MT10030 (Length=160mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10030-3000	30	0	MT10030-0030	0	30
MT10030-0624	6	24	MT10030-1218	12	18
MT10030-1812	18	12	MT10030-2406	24	6

MT10036 (Length=184mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10036-3600	36	0	MT10036-0036	0	36
MT10036-0630	6	30	MT10036-1224	12	24
MT10036-1818	18	18	MT10036-2412	24	12
MT10036-3006	30	6			

MT10042 (Length=208mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10042-4200	42	0	MT10042-0042	0	42
MT10042-0636	6	36	MT10042-1230	12	30
MT10042-1824	18	24	MT10042-2418	24	18
MT10042-3012	30	12	MT10042-3606	36	6

MT10048 (Length=232mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10048-4800	48	0	MT10048-0048	0	48
MT10048-0642	6	42	MT10048-1236	12	36
MT10048-1830	18	30	MT10048-2424	24	24
MT10048-3018	30	18	MT10048-3612	36	12
MT10048-4206	42	6			

MT10056 (Length=268mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10056-5600	56	0	MT10056-0056	0	56
MT10056-0650	6	50	MT10056-1244	12	44
MT10056-1838	18	38	MT10056-2432	24	32
MT10056-3620	36	20	MT10056-4808	48	8

MT10072 (Length=328mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10072-7200	72	0	MT10072-0072	0	72
MT10072-1260	12	60	MT10072-2448	24	48
MT10072-3042	30	42	MT10072-3636	36	36
MT10072-4824	48	24	MT10072-6012	60	12

MT10096 (Length=424mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT10096-9600	96	0	MT10096-0096	0	96
MT10096-1284	12	84	MT10096-2472	24	72
MT10096-3660	36	60	MT10096-4848	48	48
MT10096-6036	60	36	MT10096-7224	72	24

MT120 Series

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

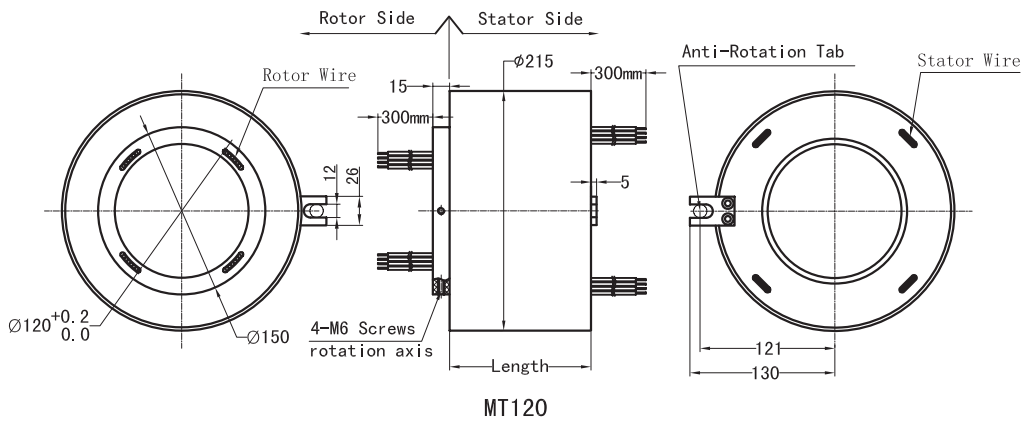
MT120 series provides a 120mm(4.73") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a 215mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.



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			

MT120 - MT SERIES

MT120 - MT SERIES

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

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

MT150 Series

Through bore 150mm(5.91"),Overall Diameter: 248mm

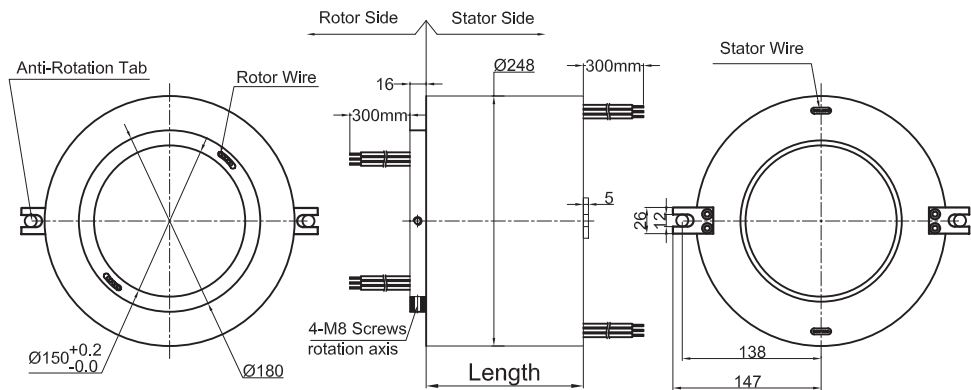
MT150 series provides a 150mm(5.91") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a 248mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.



Specifications			
Rings	3~72(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	150RPM
Through bore size	150mm(5.91")	Overall diameter	248mm(9.76")
Housing Material	Aluminium Alloy	Torque	0.5N.m; +0.1N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	< 5mOhm
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:



MT150

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

MT15002 (Length=67mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15002-0200	2	0	MT15002-0002	0	2

MT15003 (Length=73mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15003-0300	3	0	MT15003-0003	0	3
MT15003-0102	1	2	MT15003-0201	2	1

MT15006 (Length=91mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15006-0600	6	0	MT15006-0006	0	6
MT15006-0204	2	4	MT15006-0402	4	2

MT15012 (Length=127mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15012-1200	12	0	MT15012-0012	0	12
MT15012-0210	2	10	MT15012-0408	4	8
MT15012-0606	6	6	MT15012-0804	8	4
MT15012-1002	10	2			

MT15018 (Length=163mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15018-1800	18	0	MT15018-0018	0	18
MT15018-0216	2	16	MT15018-0414	4	14
MT15018-0612	6	12	MT15018-0810	8	10
MT15018-1008	10	8	MT15018-1206	12	6
MT15018-1404	14	4	MT15018-1602	16	2

MT15024 (Length=199mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15024-2400	24	0	MT15024-0024	0	24
MT15024-0618	6	18	MT15024-1212	12	12
MT15024-1806	18	6			

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**

MT15030 (Length=235mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15030-3000	30	0	MT15030-0030	0	30
MT15030-0624	6	24	MT15030-1218	12	18
MT15030-1812	18	12	MT15030-2406	24	6

MT15036 (Length=271mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15036-3600	36	0	MT15036-0036	0	36
MT15036-0630	6	30	MT15036-1224	12	24
MT15036-1818	18	18	MT15036-2412	24	12
MT15036-3006	30	6			

MT15048 (Length=343mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15048-4800	48	0	MT15048-0048	0	48
MT15048-0642	6	42	MT15048-1236	12	36
MT15048-1830	18	30	MT15048-2424	24	24
MT15048-3018	30	18	MT15048-3612	36	12
MT15048-4206	42	6			

MT15056 (Length=391mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15056-5600	56	0	MT15056-0056	0	56
MT15056-0650	6	50	MT15056-1244	12	44
MT15056-1838	18	38	MT15056-2432	24	32
MT15056-3620	36	20	MT15056-4808	48	8

MT15072 (Length=487mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT15072-7200	72	0	MT15072-0072	0	72
MT15072-1260	12	60	MT15072-2448	24	48
MT15072-3042	30	42	MT15072-3636	36	36
MT15072-4824	48	24	MT15072-6012	60	12

MT180 Series

Through bore 180mm(7.09"),Overall Diameter: 292mm

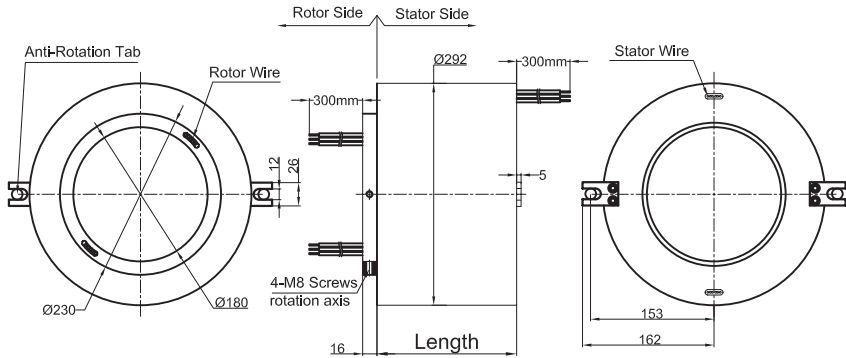
MT180 series provides a 180mm(7.09") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a 292mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.



Specifications			
Rings	3~72(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	50RPM
Through bore size	180mm(7.09")	Overall diameter	292mm(11.5")
Housing Material	Aluminium Alloy	Torque	1N.m;+0.2N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	<5 mOhm
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:



MT180

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

MT18002 (Length=77mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18002-0200	2	0	MT18002-0002	0	2

MT18003 (Length=83mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18003-0300	3	0	MT18003-0003	0	3
MT18003-0102	1	2	MT18003-0201	2	1

MT18006 (Length=101mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18006-0600	6	0	MT18006-0006	0	6
MT18006-0204	2	4	MT18006-0402	4	2

MT18012 (Length=137mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18012-1200	12	0	MT18012-0012	0	12
MT18012-0210	2	10	MT18012-0408	4	8
MT18012-0606	6	6	MT18012-0804	8	4
MT18012-1002	10	2			

MT18018 (Length=173mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18018-1800	18	0	MT18018-0018	0	18
MT18018-0216	2	16	MT18018-0414	4	14
MT18018-0612	6	12	MT18018-0810	8	10
MT18018-1008	10	8	MT18018-1206	12	6
MT18018-1404	14	4	MT18018-1602	16	2

MT18024 (Length=209mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18024-2400	24	0	MT18024-0024	0	24
MT18024-0618	6	18	MT18024-1212	12	12
MT18024-1806	18	6			

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

MT18030 (Length=245mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18030-3000	30	0	MT18030-0030	0	30
MT18030-0624	6	24	MT18030-1218	12	18
MT18030-1812	18	12	MT18030-2406	24	6

MT18036 (Length=281mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18036-3600	36	0	MT18036-0036	0	36
MT18036-0630	6	30	MT18036-1224	12	24
MT18036-1818	18	18	MT18036-2412	24	12
MT18036-3006	30	6			

MT18048 (Length=353mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18048-4800	48	0	MT18048-0048	0	48
MT18048-0642	6	42	MT18048-1236	12	36
MT18048-1830	18	30	MT18048-2424	24	24
MT18048-3018	30	18	MT18048-3612	36	12
MT18048-4206	42	6			

MT18056 (Length=401mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18056-5600	56	0	MT18056-0056	0	56
MT18056-0650	6	50	MT18056-1244	12	44
MT18056-1838	18	38	MT18056-2432	24	32
MT18056-3620	36	20	MT18056-4808	48	8

MT18072 (Length=497mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT18072-7200	72	0	MT18072-0072	0	72
MT18072-1260	12	60	MT18072-2448	24	48
MT18072-3042	30	42	MT18072-3636	36	36
MT18072-4824	48	24	MT18072-6012	60	12

MT210 Series

Through bore 210mm(8.27"),Overall Diameter: 320mm

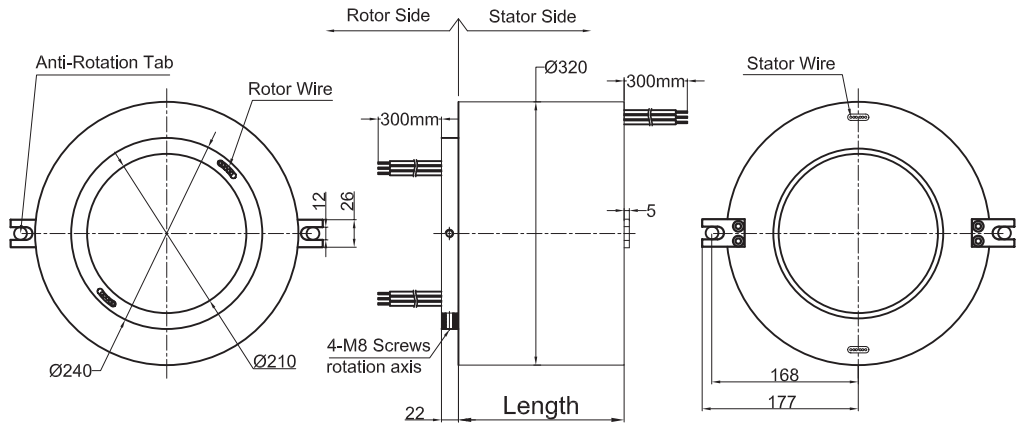
MT210 series provides a 210mm(8.27") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a 320mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.



Specifications			
Rings	3~72(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	50RPM
Through bore size	210mm(8.27")	Overall diameter	320mm(12.6")
Housing Material	Aluminium Alloy	Torque	1N.m;+0.2N.m/6rings
Working life	Depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10mOhm	Contact Resistance	<5mOhm
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:



MT210

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

MT21002 (Length=87mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21002-0200	2	0	MT21002-0002	0	2

MT21003 (Length=93mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21003-0300	3	0	MT21003-0003	0	3
MT21003-0102	1	2	MT21003-0201	2	1

MT21006 (Length=111mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21006-0600	6	0	MT21006-0006	0	6
MT21006-0204	2	4	MT21006-0402	4	2

MT21012 (Length=147mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21012-1200	12	0	MT21012-0012	0	12
MT21012-0210	2	10	MT21012-0408	4	8
MT21012-0606	6	6	MT21012-0804	8	4
MT21012-1002	10	2			

MT21018 (Length=183mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21018-1800	18	0	MT21018-0018	0	18
MT21018-0216	2	16	MT21018-0414	4	14
MT21018-0612	6	12	MT21018-0810	8	10
MT21018-1008	10	8	MT21018-1206	12	6
MT21018-1404	14	4	MT21018-1602	16	2

MT21024 (Length=219mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21024-2400	24	0	MT21024-0024	0	24
MT21024-0618	6	18	MT21024-1212	12	12
MT21024-1806	18	6			

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

MT21030 (Length=255mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21030-3000	30	0	MT21030-0030	0	30
MT21030-0624	6	24	MT21030-1218	12	18
MT21030-1812	18	12	MT21030-2406	24	6

MT21036 (Length=291mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21036-3600	36	0	MT21036-0036	0	36
MT21036-0630	6	30	MT21036-1224	12	24
MT21036-1818	18	18	MT21036-2412	24	12
MT21036-3006	30	6			

MT21048 (Length=363mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21048-4800	48	0	MT21048-0048	0	48
MT21048-0642	6	42	MT21048-1236	12	36
MT21048-1830	18	30	MT21048-2424	24	24
MT21048-3018	30	18	MT21048-3612	36	12
MT21048-4206	42	6			

MT21056 (Length=411mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21056-5600	56	0	MT21056-0056	0	56
MT21056-0650	6	50	MT21056-1244	12	44
MT21056-1838	18	38	MT21056-2432	24	32
MT21056-3620	36	20	MT21056-4808	48	8

MT21072 (Length=507mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT21072-7200	72	0	MT21072-0072	0	72
MT21072-1260	12	60	MT21072-2448	24	48
MT21072-3042	30	42	MT21072-3636	36	36
MT21072-4824	48	24	MT21072-6012	60	12