

MT SERIES

MT SERIES - ORDER INSTRUCTIONS

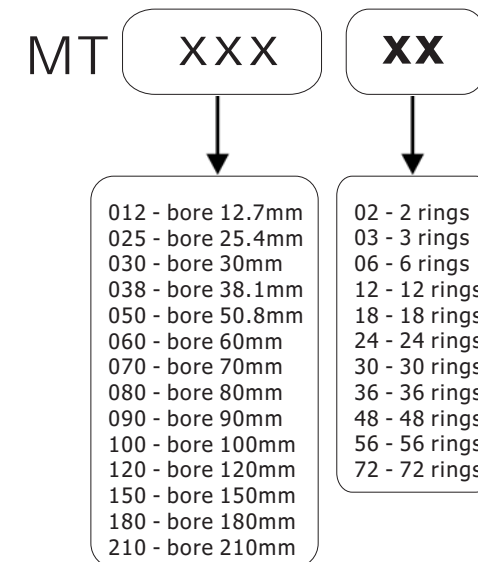
MT Series slip rings with through bore

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*(26~155)	2.3.6.12.18. 24.30.36.48	Signal(2A).10A. Multiple 10A	250VAC/VDC	600RPM
MT013	12.7(0.5")	35*(30~60)	2.4.6.12	Signal(2A).10A. Multiple 10A	250VAC/VDC	150RPM
MT025	25.4(1")	86*(32~240)	2.3.6.12.18.24. 30.36.48.56.72	Signal(2A).10A. Multiple 10A	440VAC/VDC	500RPM
MT030	30(1.18")	99*(32~328)	2.3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	440VAC/VDC	500RPM
MT038	38.1(1.5")	99*(32~328)	2.3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	400VAC/VDC	500RPM
MT050	50.8(2")	120*(36~332)	2.3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	600VAC/VDC	300RPM
MT060	60(2.36")	130*(36~332)	3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	600VAC/VDC	300RPM
MT070	70(2.76")	140*(42~336)	3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	600VAC/VDC	250RPM
MT080	80(3.15")	158*(42~336)	3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	600VAC/VDC	250RPM
MT090	90(3.54")	185*(48~344)	3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	600VAC/VDC	150RPM
MT100	100(3.94")	185*(48~344)	3.6.12.18.24. 30.36.48.72.96	Signal(2A).10A. Multiple 10A	600VAC/VDC	150RPM
MT120	120(4.73")	215*(57~477)	3.6.12.24. 36.48.72	Signal(2A).10A. Multiple 10A	600VAC/VDC	100RPM
MT150	150(5.91")	248*(67~487)	3.6.12.24. 36.48.72	Signal(2A).10A. Multiple 10A	600VAC/VDC	50RPM
MT180	180(7.09")	292*(77~497)	3.6.12.24. 36.48.72	Signal(2A).10A. Multiple 10A	600VAC/VDC	50RPM
MT210	210(8.27")	320*(87~497)	3.6.12.24. 36.48.72	Signal(2A).10A. Multiple 10A	600VAC/VDC	50RPM

MT Series Part# Explanation



For Example:

MT01206 - bore size 12.7mm with 6 total rings

MT02512 - bore size 25.4mm with 12 total rings

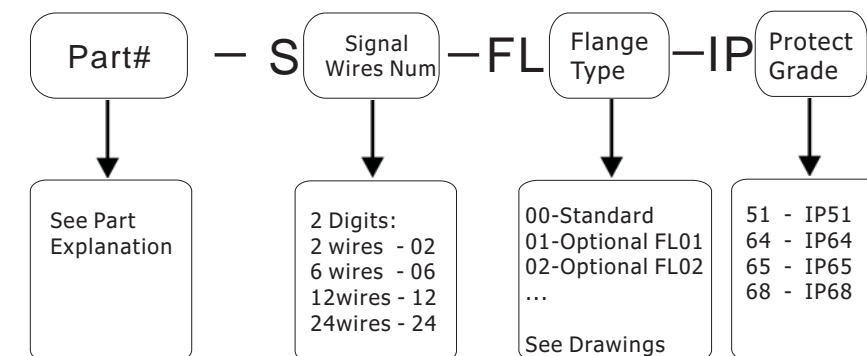
MT03818 - bore size 38.1mm with 18 total rings

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-S12	MT038 series,through bore size 38.1mm,24rings in total, 12rings signal+12rings*10A,others are standard.
MT03824-S14	MT038 series,through bore size 38.1mm,24rings in total, 14rings signal+10rings*10A,others are standard.
MT03836-S12	MT038 series,through bore size 38.1mm, 12rings signal+24rings*10A, others are standard.
MT03824-S12-FL01-IP68	MT038 series,through bore size 38.1mm,24rings in total,12rings signal +12rings*10A,with Flange FL01 mounting, IP68 Protect grade.

How to build on request?

Build On Your Request/Special requirements

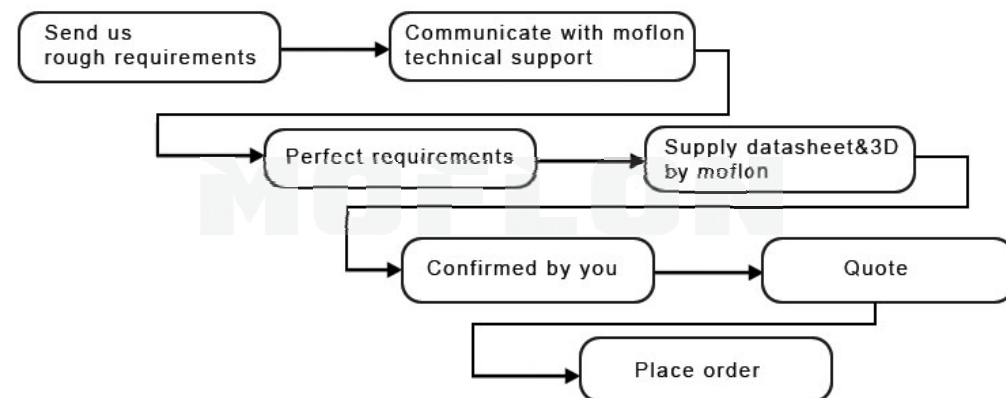
MOFLON specialize in customized solutions, Now our models have over 12000, and over 80% model are customized on customer request and base on technology and full experience, our slip ring solution including traditional carbon brush, gold wire contact, gold fiber brush contact, no contact transmit, each solution application depend on the customer real application request with economically, high quality and reliability.

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.

For example:

Length restrict, height restrict, other size restrict, wire exit direction, lead wire length, connectors, high temperature, large current, military grade, and some other options (See Options as below), Please describe it in your email, and send email to us: technical@moflon.com for further technical support.

Build-on-Request Flowing:



Options

- › Optional flange mounting.
- › Specified the wire exit direction.
- › Can combine more wires: 1-56 Ring
- › 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 available.
- › Military Grade.

Shaft Mounted Instructions

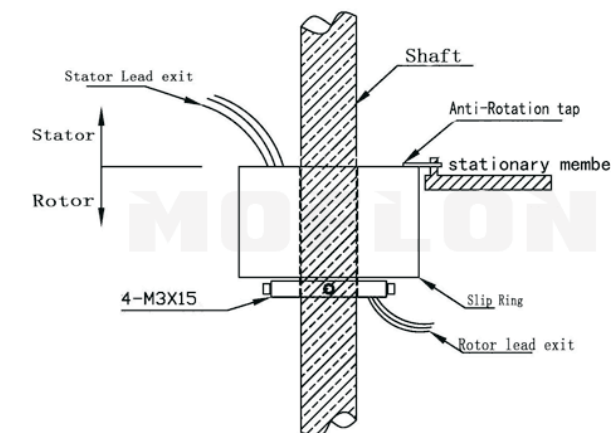
Mounting Instructions(For Through bore style)

1.Main shaft mouted units:

- A.Position the slip ring in the desired location and tighten both set screws to the shaft.
Maximum torque 25lb-in(DO NOT OVER TORQUE)
- B.Route the wiring and make the necessary 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 equipment
- B.Route the wiring and make the necessary connections.Do not allow the wiring to restrict free rotation of the slip ring.



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.

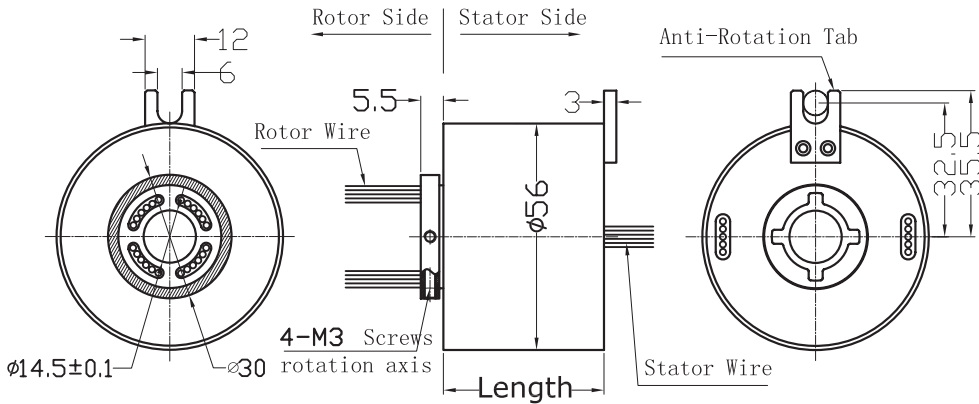
MT012 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal(2A), 10A, multiple 10A current at max 250VAC/VDC



Specifications			
Rings	2~48(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	250 VDC/VAC	Max speed	600RPM
Through bore size	12.7mm(1/2")	Overall diameter	56mm(2.2")
Housing Material	Aluminium Alloy	Torque	0.8N.m
Working life	150million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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

Drawings

Standard drawings:

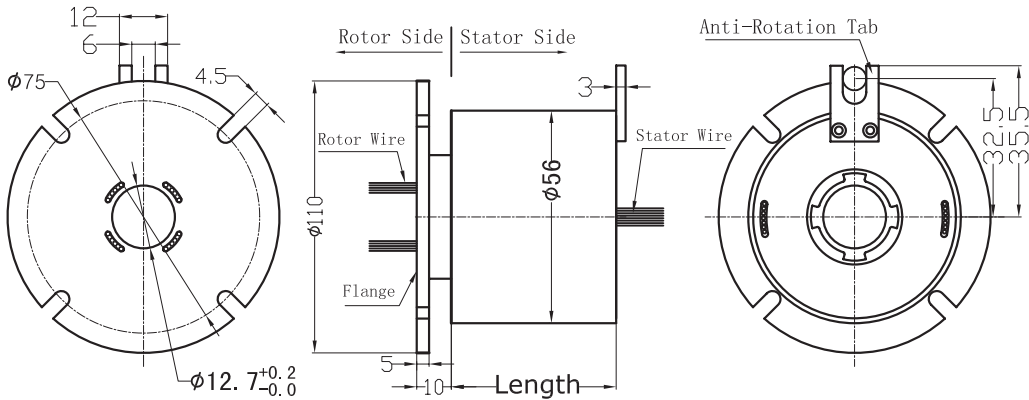


MT012

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.

Optional Flanges drawings:



Suffix - FL01

Parts#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT01202	2	(Signal or Power 10A)/ring	26mm
MT01203	3	(Signal or Power 10A)/ring	29mm
MT01206	6	(Signal or Power 10A)/ring	37mm
MT01212	12	(Signal or Power 10A)/ring	54mm
MT01218	18	(Signal or Power 10A)/ring	70.5mm
MT01224	24	(Signal or Power 10A)/ring	87.5mm
MT01230	30	(Signal or Power 10A)/ring	105.5mm
MT01236	36	(Signal or Power 10A)/ring	121mm
MT01248	48	(Signal or Power 10A)/ring	155mm

*Please note: 10A rings parallel can be used as multiple 10A large current. For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

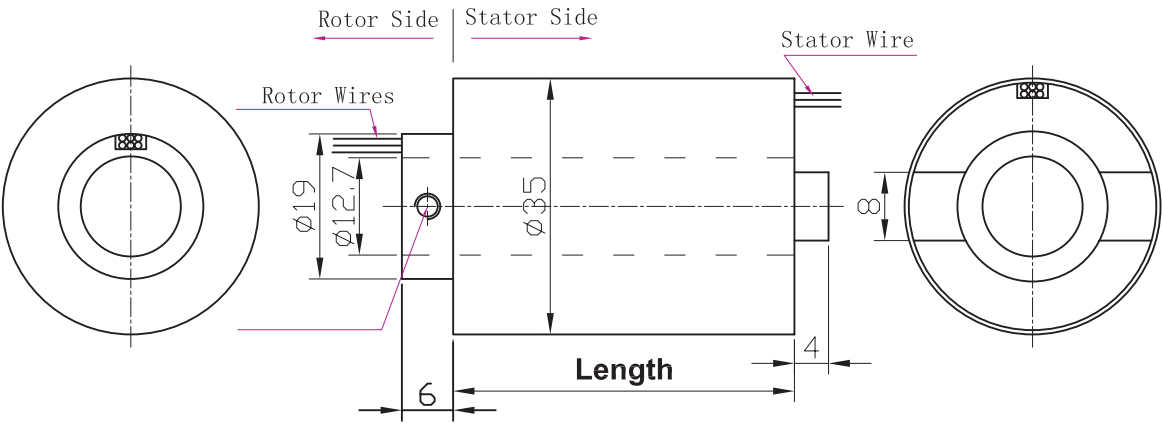


MT013 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal(2A), 10A, multiple 10A current at max 250VAC/VDC

Specifications			
Rings	2~12(see table as below)	Current	Signal(2A)
Voltage	250 VDC/VAC	Max speed	250RPM
Through bore size	12.7mm(1/2")	Overall diameter	35mm(1.38")
Housing Material	Aluminium Alloy	Torque	0.8N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
Dielectric strength	600VDC@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 70% RH
Materials	Lead Free,RoHS compliant	Certified	YES

Drawings

Standard drawings:



MT013

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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT01302	2	(Signal or Power 10A)/ring	30mm
MT01304	3	(Signal or Power 10A)/ring	36mm
MT01306	6	(Signal or Power 10A)/ring	42mm
MT01312	12	(Signal or Power 10A)/ring	60mm

*Please note: 10A rings parallel can be used as multiple 10A large current. For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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 compact86mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

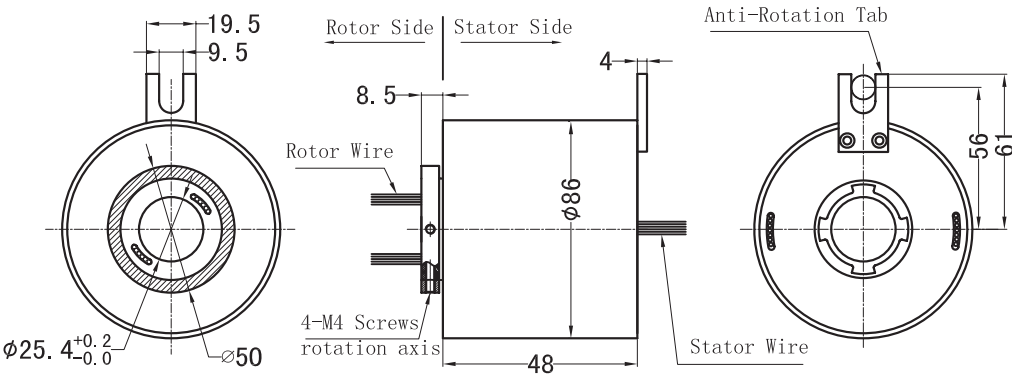
MT025 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal(2A), 10A, multiple 10A current at max440VAC/VDC



Specifications			
Rings	2~72(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	440 VDC/VAC	Max speed	500RPM
Through bore size	25.4mm(1")	Overall diameter	86mm3.38")
Housing Material	Aluminium Alloy	Torque	0.8N.m
Working life	150million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:

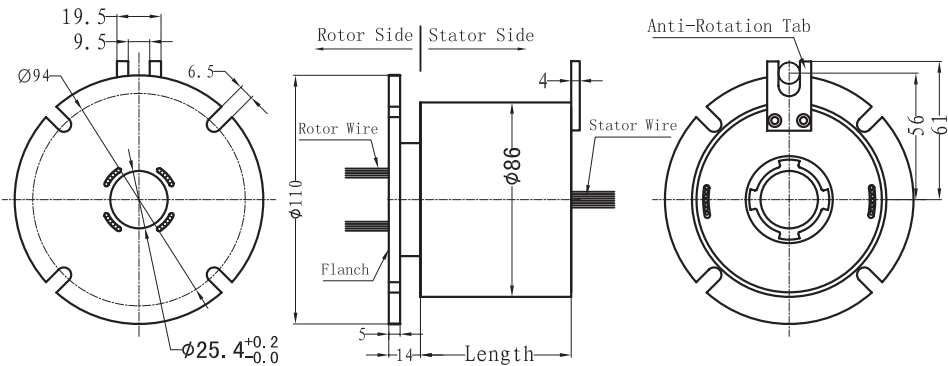


MT025

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.

Optional Flanges drawings:



Suffix -FL01

Parts#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT02502	2	(Signal or Power 10A)/ring	32mm
MT02503	3	(Signal or Power 10A)/ring	36mm
MT02506	6	(Signal or Power 10A)/ring	48mm
MT02512	12	(Signal or Power 10A)/ring	72mm
MT02518	18	(Signal or Power 10A)/ring	96mm
MT02524	24	(Signal or Power 10A)/ring	120mm
MT02530	30	(Signal or Power 10A)/ring	144mm
MT02536	36	(Signal or Power 10A)/ring	168mm
MT02548	48	(Signal or Power 10A)/ring	216mm
MT02556	56	(Signal or Power 10A)/ring	248mm
MT02572	72	(Signal or Power 10A)/ring	312mm

*Please note: 10A rings parallel can be used as multiple 10A large current. For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

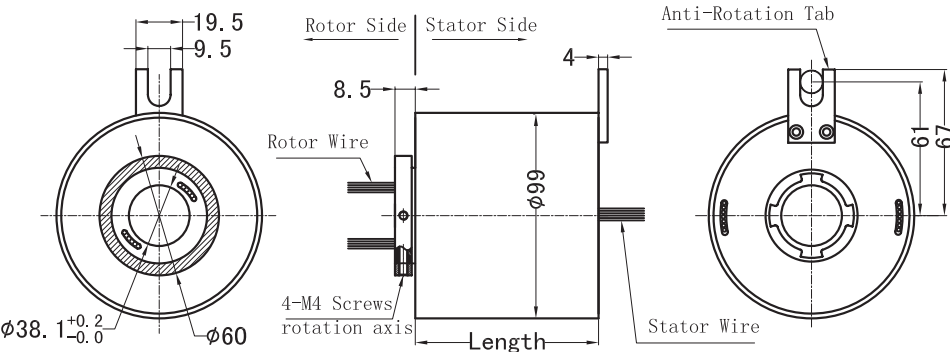
MT038 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal(2A), 10A, multiple 10A current at max 440VAC/VDC



Specifications			
Rings	2~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	440 VDC/VAC	Max speed	500RPM
Through bore size	38.1mm(1.5")	Overall diameter	99mm3.9")
Housing Material	Aluminium Alloy	Torque	0.8N.m
Working life	150million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
Dielectric strength	800VDC@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:

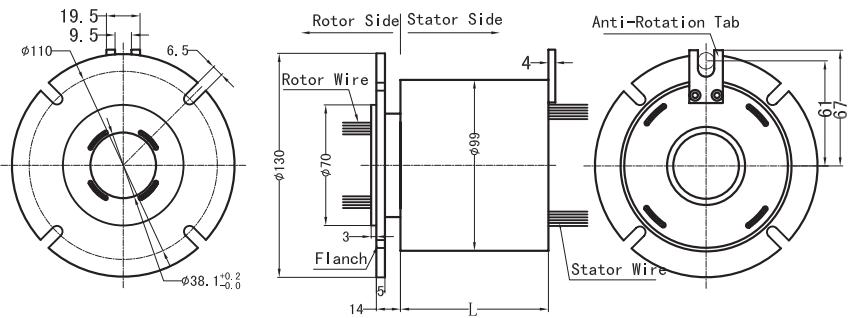


MT038

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.

Optional Flanges drawings:



Suffix -FL01

Parts#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT03802	2	(Signal or Power 10A)/ring	32mm
MT03803	3	(Signal or Power 10A)/ring	36mm
MT03806	6	(Signal or Power 10A)/ring	48mm
MT03812	12	(Signal or Power 10A)/ring	72mm
MT03818	18	(Signal or Power 10A)/ring	96mm
MT03824	24	(Signal or Power 10A)/ring	120mm
MT03830	30	(Signal or Power 10A)/ring	144mm
MT03836	36	(Signal or Power 10A)/ring	168mm
MT03848	48	(Signal or Power 10A)/ring	216mm
MT03856	56	(Signal or Power 10A)/ring	248mm
MT03872	72	(Signal or Power 10A)/ring	312mm
MT03896	96	(Signal or Power 10A)/ring	408mm

*Please note: 10A rings parallel can be used as multiple 10A large current. For Example: 3 rings parallel = 1 wires 30A, please see order instructions

MT050 Series

Through bore 50.8mm(2"), Overall Diameter: 120mm(4.72")

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, multiple 10A current at max 600VAC/VDC

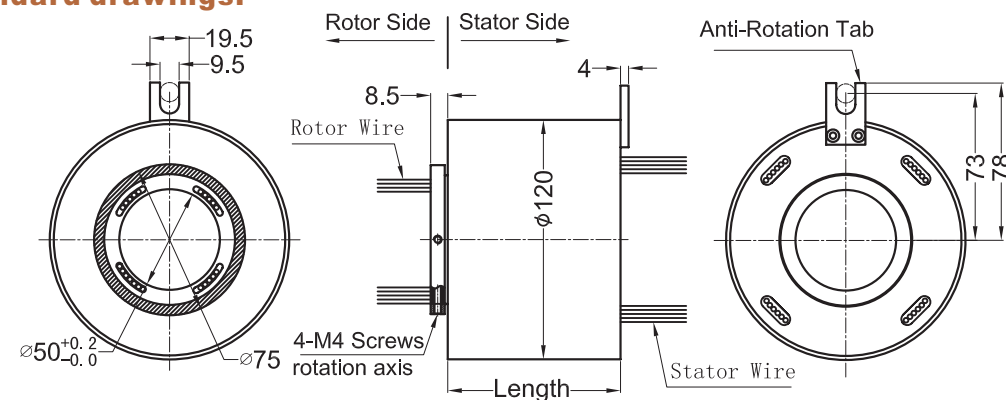


Specifications

Rings	2~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	300RPM
Through bore size	50.8mm(2")	Overall diameter	120mm4.72")
Housing Material	Aluminium Alloy	Torque	0.8N.m
Working life	100million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



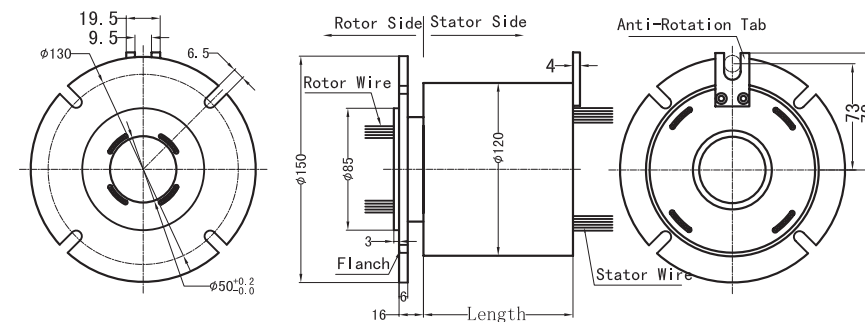
MT050

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.

Optional Flanges drawings:



Suffix -FL01

Parts#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT05002	2	(Signal or Power 10A)/ring	36mm
MT05003	3	(Signal or Power 10A)/ring	40mm
MT05006	6	(Signal or Power 10A)/ring	52mm
MT05012	12	(Signal or Power 10A)/ring	76mm
MT05018	18	(Signal or Power 10A)/ring	100mm
MT05024	24	(Signal or Power 10A)/ring	124mm
MT05030	30	(Signal or Power 10A)/ring	148mm
MT05036	36	(Signal or Power 10A)/ring	172mm
MT05048	48	(Signal or Power 10A)/ring	220mm
MT05056	56	(Signal or Power 10A)/ring	252mm
MT05072	72	(Signal or Power 10A)/ring	316mm
MT05096	96	(Signal or Power 10A)/ring	412mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

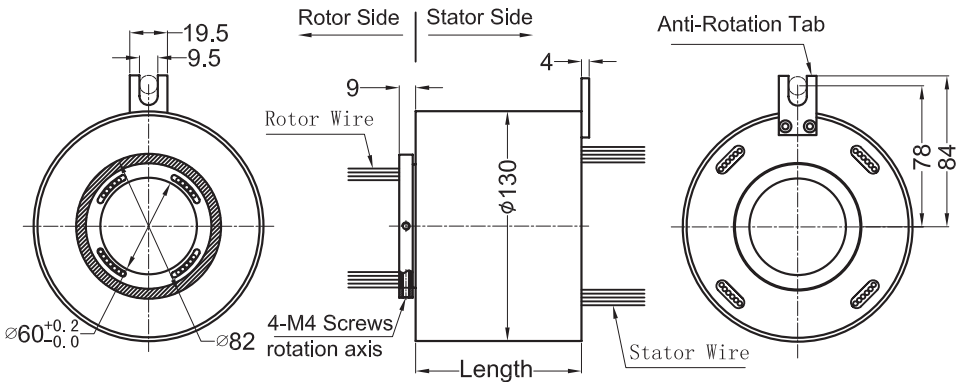
MT060 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	2~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	300RPM
Through bore size	60mm(2.36")	Overall diameter	130mm5.12")
Housing Material	Aluminium Alloy	Torque	0.8N.m
Working life	100million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT06003	3	(Signal or Power 10A)/ring	40mm
MT06006	3	(Signal or Power 10A)/ring	52mm
MT06012	12	(Signal or Power 10A)/ring	76mm
MT06018	12	(Signal or Power 10A)/ring	100mm
MT06024	24	(Signal or Power 10A)/ring	124mm
MT06030	30	(Signal or Power 10A)/ring	148mm
MT06036	36	(Signal or Power 10A)/ring	172mm
MT06048	48	(Signal or Power 10A)/ring	220mm
MT06056	56	(Signal or Power 10A)/ring	252mm
MT06072	72	(Signal or Power 10A)/ring	316mm
MT06072	96	(Signal or Power 10A)/ring	412mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

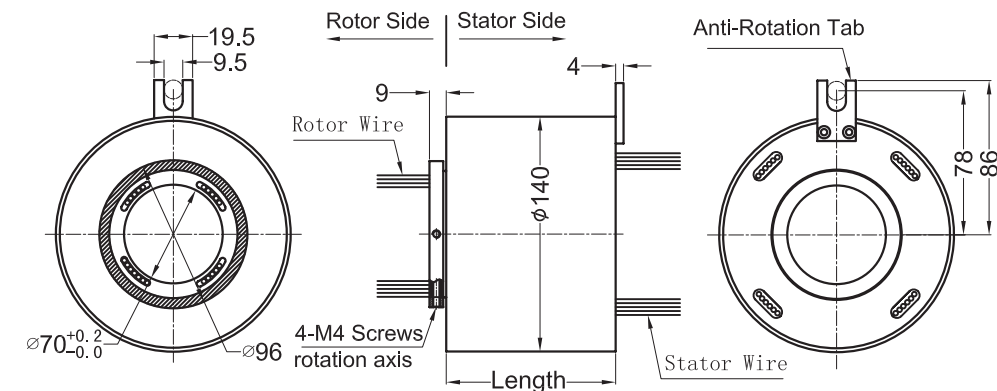
MT070 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	3~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	250RPM
Through bore size	70mm(2.76")	Overall diameter	140mm(5.51")
Housing Material	Aluminium Alloy	Torque	1.8N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT07003	3	(Signal or Power 10A)/ring	46mm
MT07006	6	(Signal or Power 10A)/ring	58mm
MT07012	12	(Signal or Power 10A)/ring	82mm
MT07018	18	(Signal or Power 10A)/ring	106mm
MT07024	24	(Signal or Power 10A)/ring	130mm
MT07030	30	(Signal or Power 10A)/ring	154mm
MT07036	36	(Signal or Power 10A)/ring	178mm
MT07048	48	(Signal or Power 10A)/ring	226mm
MT07056	56	(Signal or Power 10A)/ring	258mm
MT07072	72	(Signal or Power 10A)/ring	322mm
MT07096	96	(Signal or Power 10A)/ring	418mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

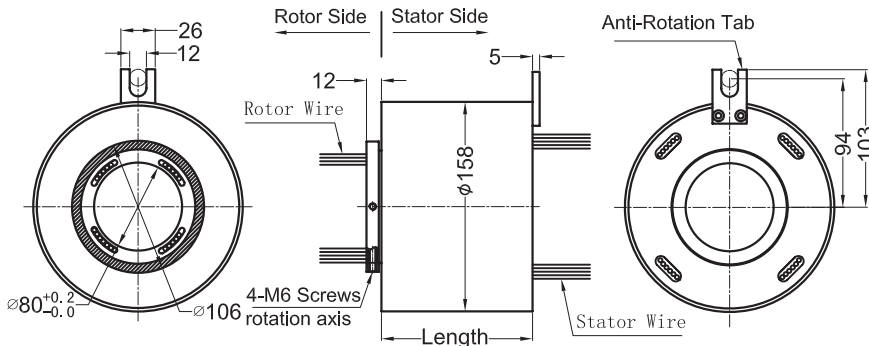
MT080 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	3~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	250RPM
Through bore size	80mm(3.15")	Overall diameter	158mm(6.22")
Housing Material	Aluminium Alloy	Torque	1.8N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#			
PART #	TOTAL RINGS	CURRENT	LENGTH
MT08003	3	(Signal or Power 10A)/ring	46mm
MT08006	6	(Signal or Power 10A)/ring	58mm
MT08012	12	(Signal or Power 10A)/ring	82mm
MT08018	18	(Signal or Power 10A)/ring	106mm
MT08024	24	(Signal or Power 10A)/ring	130mm
MT08030	30	(Signal or Power 10A)/ring	154mm
MT08036	36	(Signal or Power 10A)/ring	178mm
MT08048	48	(Signal or Power 10A)/ring	226mm
MT08056	56	(Signal or Power 10A)/ring	258mm
MT08072	72	(Signal or Power 10A)/ring	322mm
MT08096	96	(Signal or Power 10A)/ring	418mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

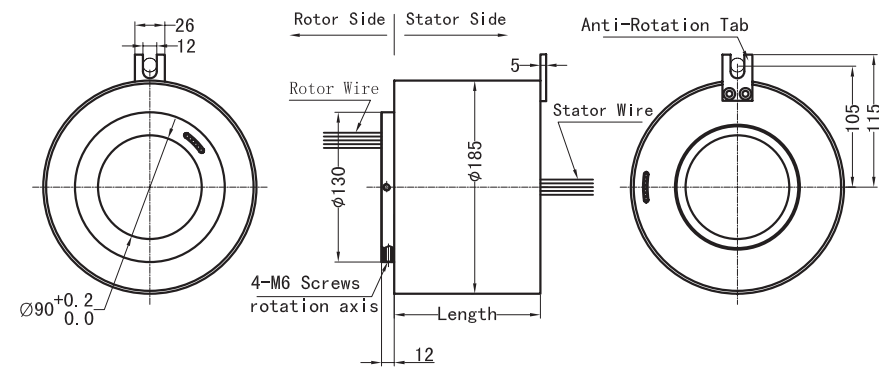
MT090 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	3~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	150RPM
Through bore size	90mm(3.5h4")	Overall diameter	185mm(7.28")
Housing Material	Aluminium Alloy	Torque	2.5N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT09003	3	(Signal or Power 10A)/ring	52mm
MT09006	6	(Signal or Power 10A)/ring	64mm
MT09012	12	(Signal or Power 10A)/ring	88mm
MT09018	18	(Signal or Power 10A)/ring	112mm
MT09024	24	(Signal or Power 10A)/ring	136mm
MT09030	30	(Signal or Power 10A)/ring	160mm
MT09036	36	(Signal or Power 10A)/ring	184mm
MT09048	48	(Signal or Power 10A)/ring	232mm
MT09056	56	(Signal or Power 10A)/ring	264mm
MT09072	72	(Signal or Power 10A)/ring	328mm
MT09096	96	(Signal or Power 10A)/ring	424mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

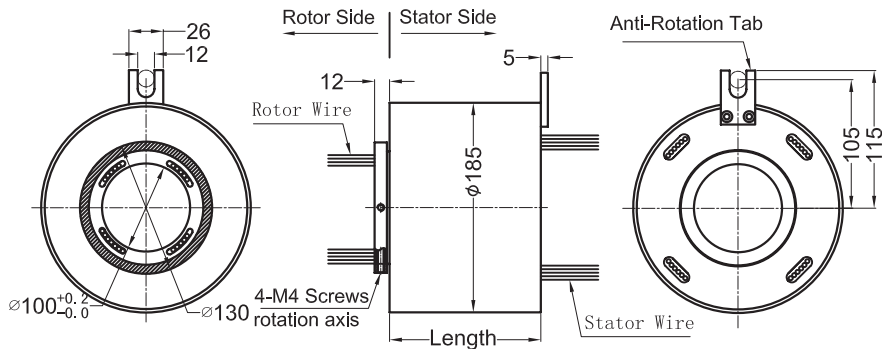
MT100 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	3~96(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	150RPM
Through bore size	100mm(3.94")	Overall diameter	185mm(7.28")
Housing Material	Aluminium Alloy	Torque	2.5N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT10003	3	(Signal or Power 10A)/ring	52mm
MT10006	6	(Signal or Power 10A)/ring	64mm
MT10012	12	(Signal or Power 10A)/ring	88mm
MT10018	18	(Signal or Power 10A)/ring	112mm
MT10024	24	(Signal or Power 10A)/ring	136mm
MT10030	30	(Signal or Power 10A)/ring	160mm
MT10036	36	(Signal or Power 10A)/ring	184mm
MT10048	48	(Signal or Power 10A)/ring	232mm
MT10056	56	(Signal or Power 10A)/ring	264mm
MT10072	72	(Signal or Power 10A)/ring	328mm
MT10096	96	(Signal or Power 10A)/ring	424mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

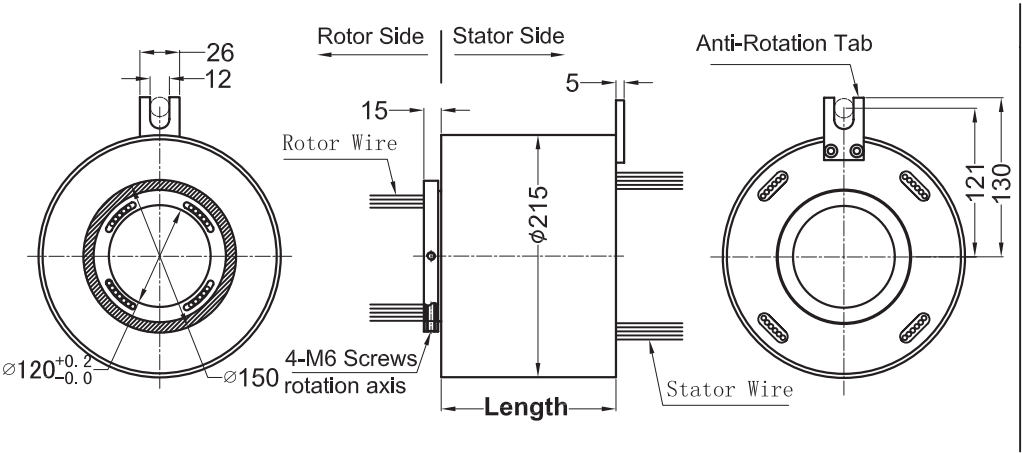
MT120 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	3~72(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	100RPM
Through bore size	120mm(4.73")	Overall diameter	215mm(8.46")
Housing Material	Aluminium Alloy	Torque	3.5N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT12003	3	(Signal or Power 10A)/ring	63mm
MT12006	6	(Signal or Power 10A)/ring	81mm
MT12012	12	(Signal or Power 10A)/ring	117mm
MT12024	24	(Signal or Power 10A)/ring	189mm
MT12036	36	(Signal or Power 10A)/ring	261mm
MT12048	48	(Signal or Power 10A)/ring	333mm
MT18072	72	(Signal or Power 10A)/ring	477mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

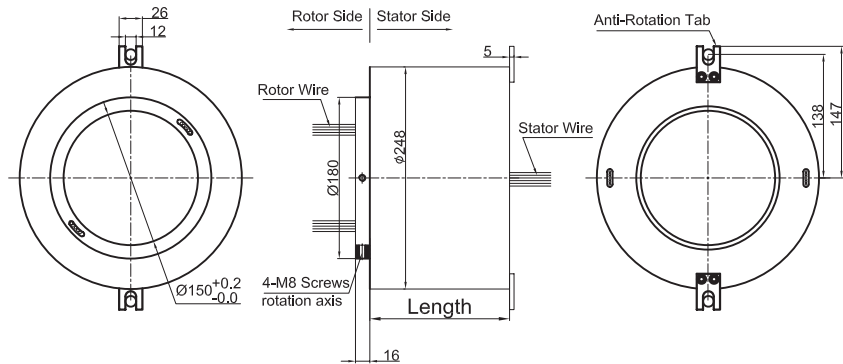
MT150 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



Specifications			
Rings	3~72(see table as below)	Current	Signal(2A),10A,Multiple 10A
Voltage	600 VDC/VAC	Max speed	50RPM
Through bore size	150mm(5.91")	Overall diameter	248mm(9.76")
Housing Material	Aluminium Alloy	Torque	4.5N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT15003	3	(Signal or Power 10A)/ring	73mm
MT15006	6	(Signal or Power 10A)/ring	91mm
MT15012	12	(Signal or Power 10A)/ring	127mm
MT15024	24	(Signal or Power 10A)/ring	199mm
MT15036	36	(Signal or Power 10A)/ring	271mm
MT15048	48	(Signal or Power 10A)/ring	343mm
MT18072	72	(Signal or Power 10A)/ring	487mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

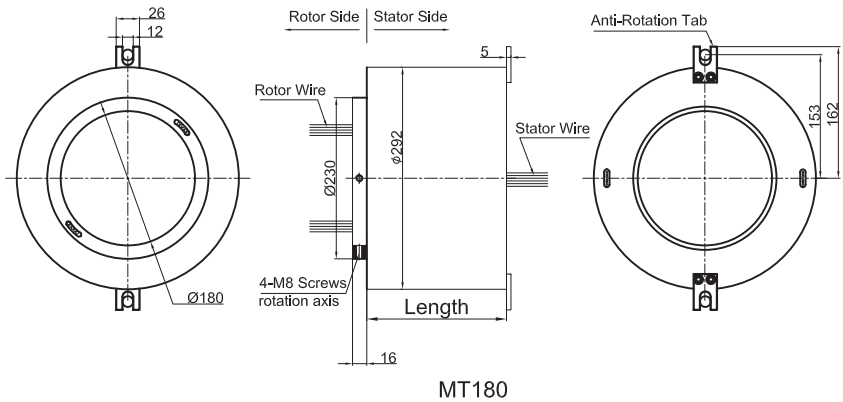
MT180 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



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	6.5N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT18003	3	(Signal or Power 10A)/ring	83mm
MT18006	6	(Signal or Power 10A)/ring	101mm
MT18012	12	(Signal or Power 10A)/ring	137mm
MT18024	24	(Signal or Power 10A)/ring	209mm
MT18036	36	(Signal or Power 10A)/ring	281mm
MT18048	48	(Signal or Power 10A)/ring	353mm
MT18072	72	(Signal or Power 10A)/ring	497mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

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.

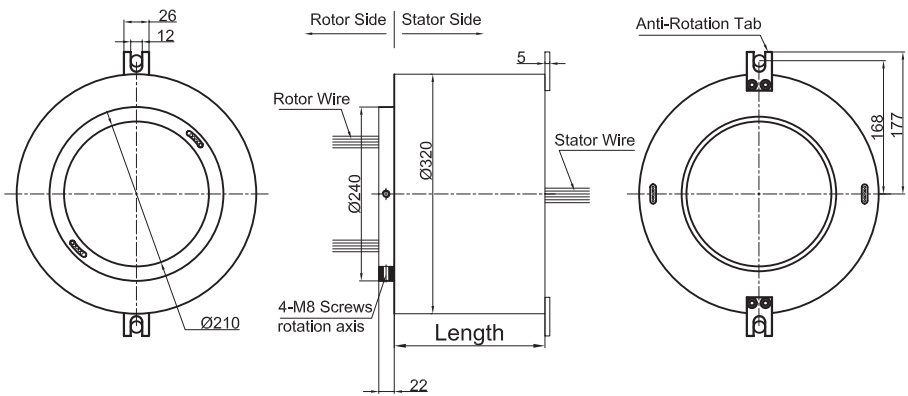
MT210 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.
It can transmit signal(2A), 10A, multiple 10A current at max 600VAC/VDC



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	8.5N.m
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<200mOhm(AWG16#,300mm)
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:



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#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT21003	3	(Signal or Power 10A)/ring	93mm
MT21006	6	(Signal or Power 10A)/ring	111mm
MT21012	12	(Signal or Power 10A)/ring	147mm
MT21024	24	(Signal or Power 10A)/ring	219mm
MT21036	36	(Signal or Power 10A)/ring	291mm
MT21048	48	(Signal or Power 10A)/ring	363mm
MT21072	72	(Signal or Power 10A)/ring	507mm

*Please note: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

MC SERIES

MC Series slip rings with capsules

Small and compact with OD 22mm, with capsule style.

Special designed for CCTV or small rotating system, OD 22mm and Special fit for middle/small rotating system of transmitting low controlling signal.

Standard, off-the-shelf, no through bore

Circuits combination is available (such as video, control, sensor, power, Ethernet and so on)

Lower torque low contact wear rates

Support video, control, sensor, power, Ethernet signals

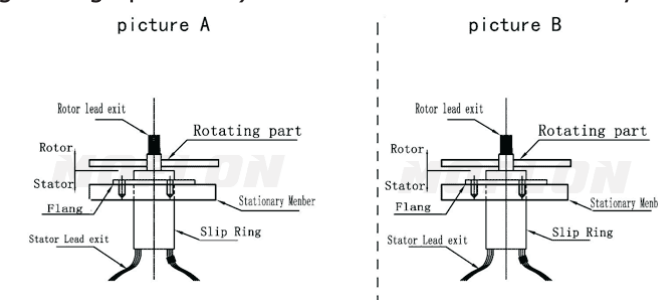


MODEL#	OD*LENGTH (MM)	RINGS	CURRENT	VOLTAGE	MAX SPEED
MC190	22*19 (0.87"*0.75")	6	Signal(2A)	240VAC/VDC	250RPM
MC260	22*26 (0.87"*1.02")	12	Signal(2A)	240VAC/VDC	250RPM
MC330	22*33 (0.87"*1.3")	18	Signal(2A)	240VAC/VDC	250RPM
MC400	22*40 (0.87"*1.57")	24	Signal(2A)	240VAC/VDC	250RPM
MC573	22*57.3 (0.87"*2.26")	36	Signal(2A)	240VAC/VDC	250RPM
MC857	22*85.7 (0.97"*3.37")	56	Signal(2A)	240VAC/VDC	150RPM

Flange Mounting Instructions

1. Align the mounting holes in the flange to mounting base and install flat washers and thread forming screws (NOT SUPPLIED) for plastic. Securely tighten screws.
2. Route the wiring and make the necessary connections. Do not allow the wiring to restrict free rotation of the slip ring.
3. Position a screw or dowel (NOT SUPPLIED) in the anti-rotation tab to the dimension as shown.

CAUTION: Because of possible geometric mismatching between the customer's application and the slip ring, 'hard mounting' of both ends of the slip ring (i.e., securing the rotor and stator such that there is NO floating during operation) is not recommended and may cause premature failure



MC190 - MC SERIES

MC190 Slip Rings

OD 22.00mm(0.87"),Length 19mm(0.75")

Mc190 slip rings are small and compact with OD 22mm * L 19mm, with capsule style, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MC1909 is the high-end version corresponding to MC190, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MC190	250RPM	50million	0.02 N·m	Plastics	10m
MC1909	1000RPM	150million	0.005 N·m	Metal	4m



Specifications

PART #	OD*L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES
MC190	22mm*19mm	6	0	0	0	4
MC190-P0204-S02	22mm*19mm	2	2	0	0	4
MC190-P0304	22mm*19mm	0	3	0	0	3
MC190-P0108-S02	22mm*19mm	2	0	1	0	3

Shared Specifications			
Wires	Max(see table as above)	Current	Signal(2A),Multiple 2A
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	22mm(0.87")	Length	19mm(0.75")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.02N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

Notes:

1)The operational life of the unit is dependent upon rotational speed, environment and temperature.

2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.

3)Electrical noise is dependent upon the rotating speed and current,voltage.

MC190 - MC SERIES

Lead wire Color codes

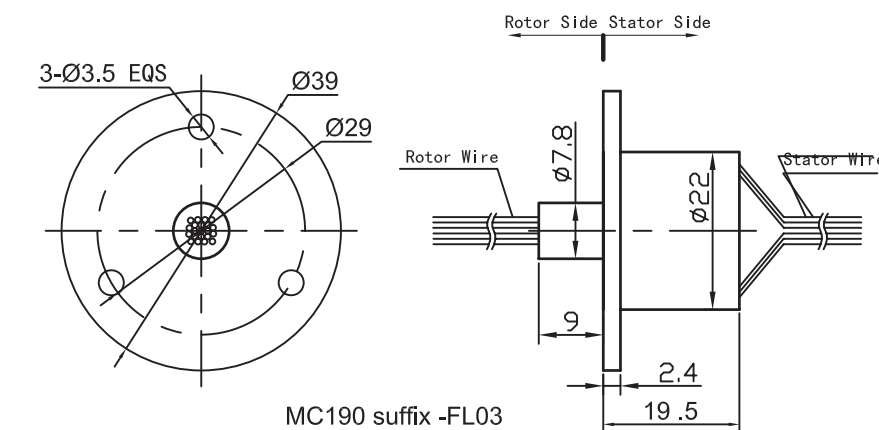
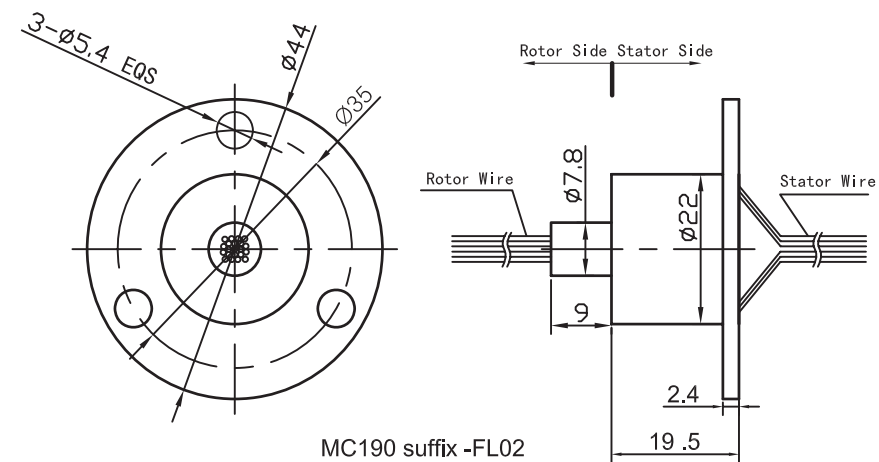
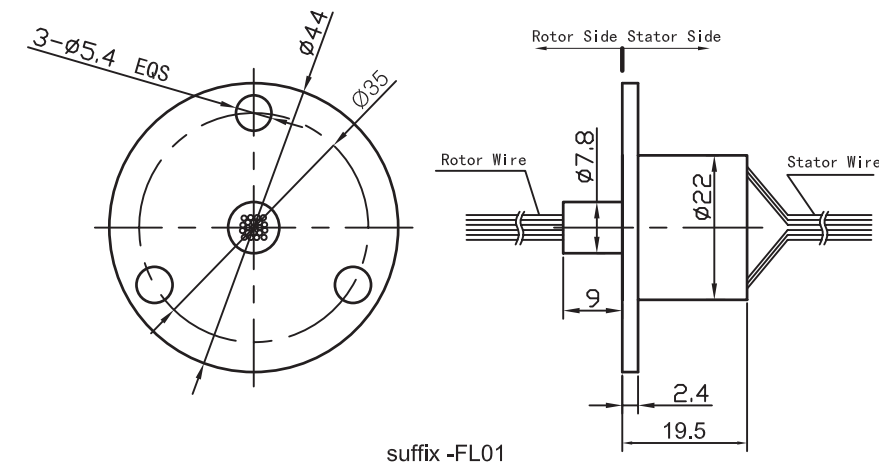
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	3	RED	5	YEL
2	BRN	4	ORN	6	GRN

Optional Flanges drawings:

At sometimes, we need a different flange for mounting instead, how should we do?

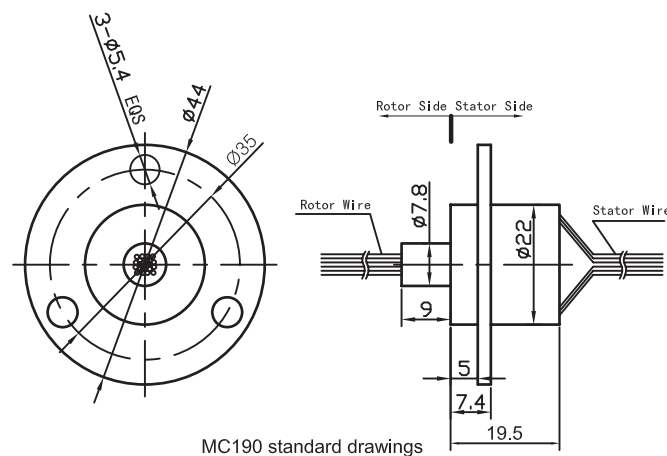
Great! Moflon supply many flange style as below:

(when you order, pls add FL01 ... FL08 at the suffix of Part#, for example: MC190-S06-FL01 means MC190-S06 with optional flange FL01.)



Drawings

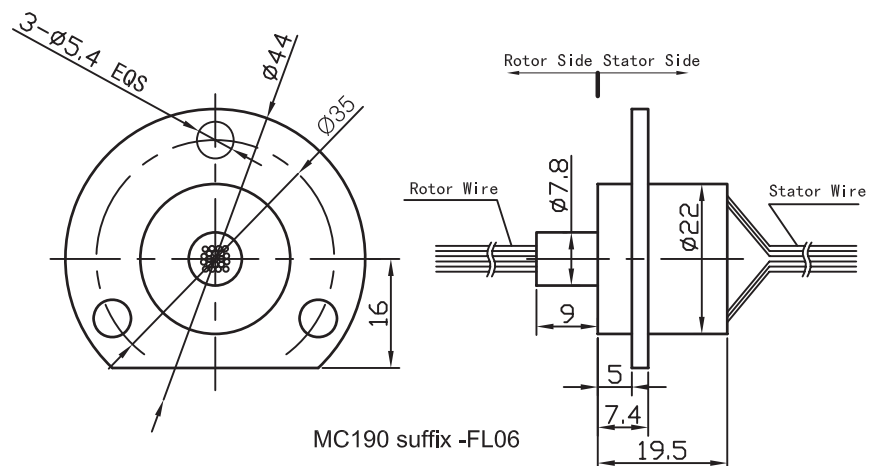
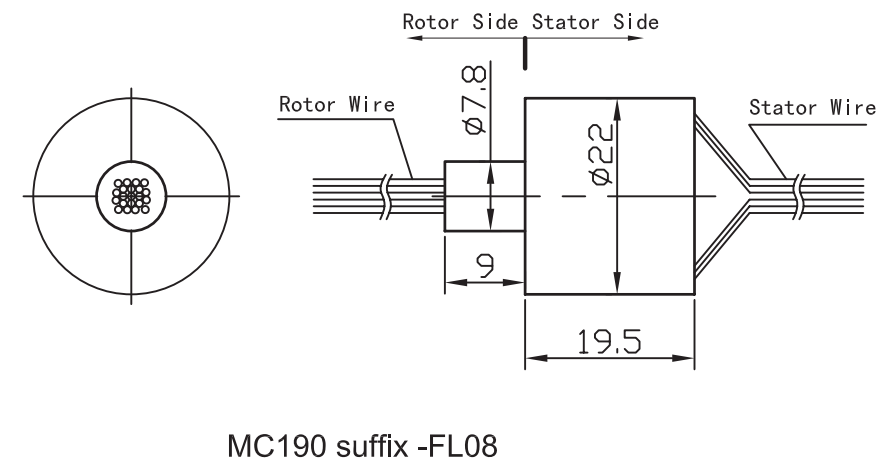
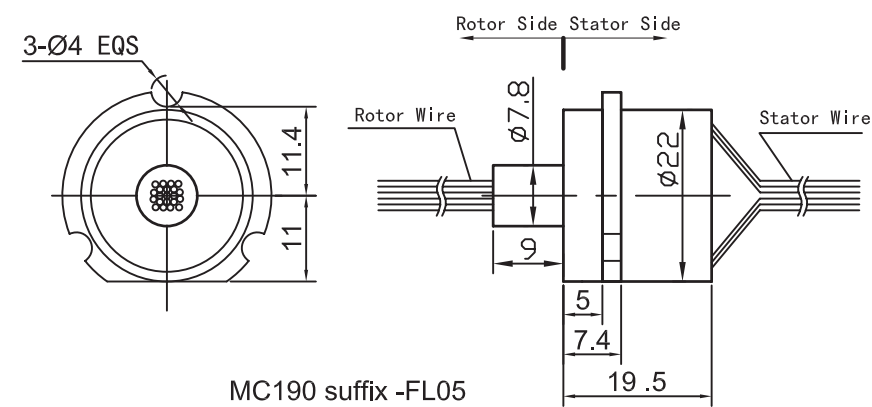
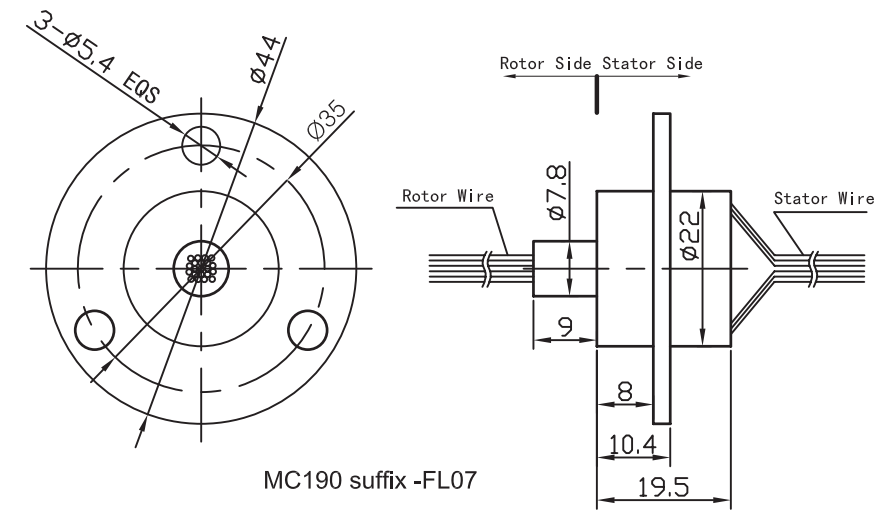
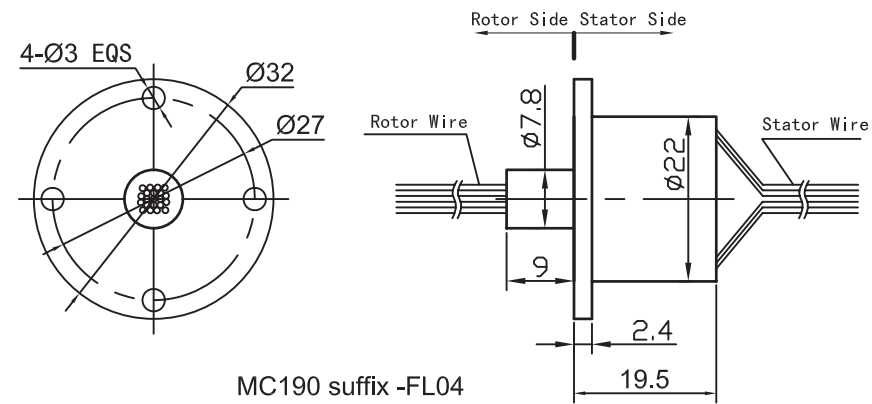
Standard drawings:



MC190 standard drawings

MC190 - MC SERIES

MC190 - MC SERIES



Options

- MC1909 is the high-end version corresponding to MC190.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.

Application

Typical Application

- CCTV Monitoring System.
- Electrical test equipment.
- Medical equipment.
- Rotary table
- Robotics
- Laboratory equipmen
- Manufacturing and process control equipment
- and so on...
- if you want to use this series slip ring on your mechanism, pls contact us for more application: technical@moflon.com

MC260 Slip Rings

OD 22.00mm(0.87"),Length 26mm(1.02")

Mc260 slip rings are small and compact with OD 22mm * L 26mm, with capsule style, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MC2609 is the high-end version corresponding to MC260, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MC260	250RPM	50million	0.03 N·m	Plastics	10m
MC2609	1000RPM	150million	0.008 N·m	Metal	4m



Specifications

PART #	OD*L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES
MC260	22mm*26mm	12	0	0	0	12
MC260-P0404-S06	22mm*26mm	6	3	0	0	9
MC260-P0208-S02	22mm*26mm	2	0	2	0	4
MC260-P0308	22mm*26mm	0	0	3	0	3
MC260-P0308	22mm*26mm	0	0	0	1	1

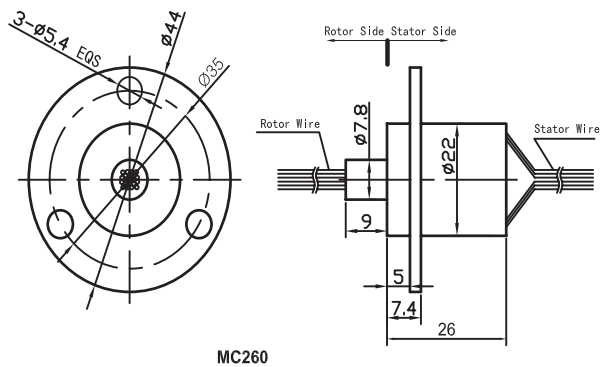
Shared Specifications

Wires	Max 12(see table as above)	Current	Signal(2A),Multiple 2A
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	22mm(0.87")	Length	26mm(1.02")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.03N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

- Notes:
- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
 - 2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.
 - 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



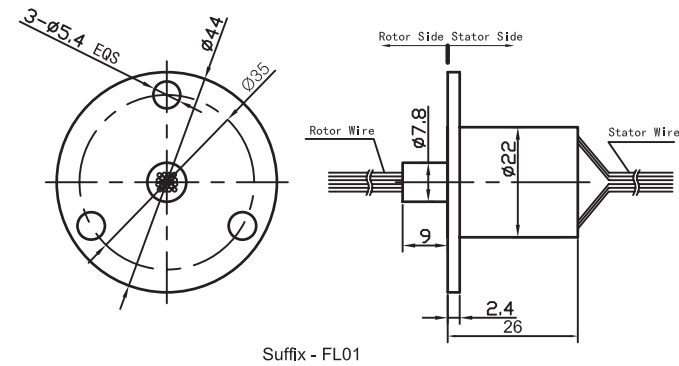
MC260

Lead wire Color codes

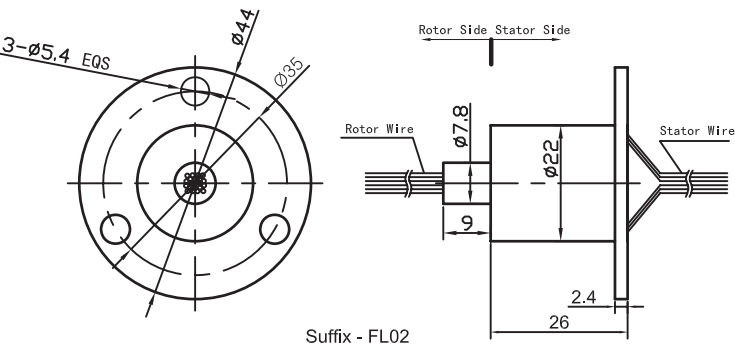
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	3	RED	5	YEL
2	BRN	4	ORN	6	GRN
7	BLU	9	GRY	11	PINK
8	PURPLE	10	WHT	12	AZURY

Optional Flanges drawings:

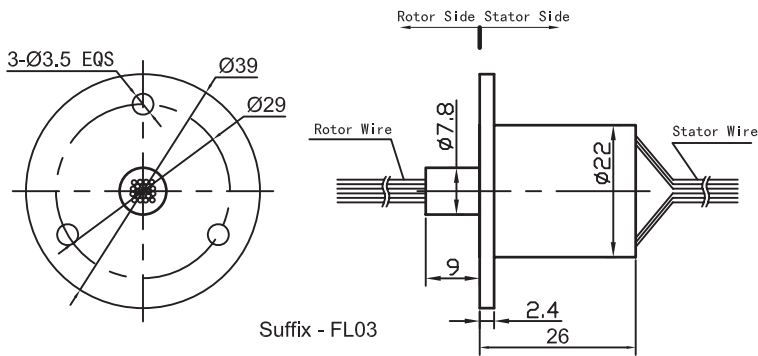
At sometimes, we need a different flange for mounting instead, how should we do?
Great! Moflon supply many flange style as below:
(when you order, pls add FL01 ... FL08 at the suffix of Part#, for example: MC260-S12-FL01 means MC260-S12 with optional flange FL01.)



Suffix - FL01



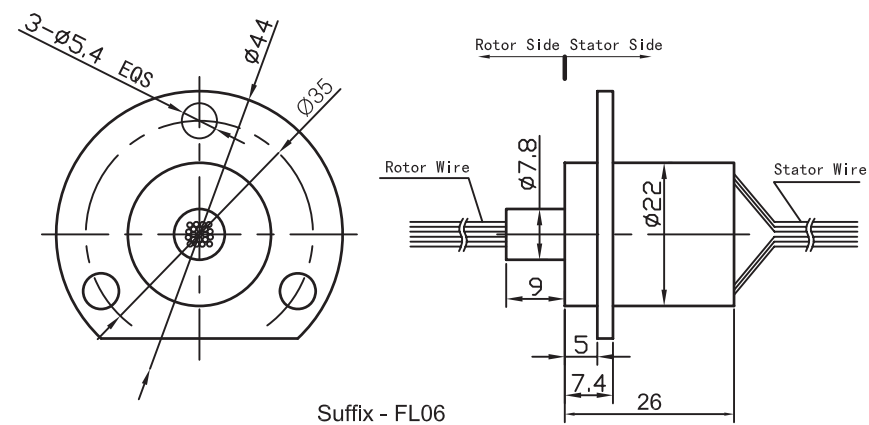
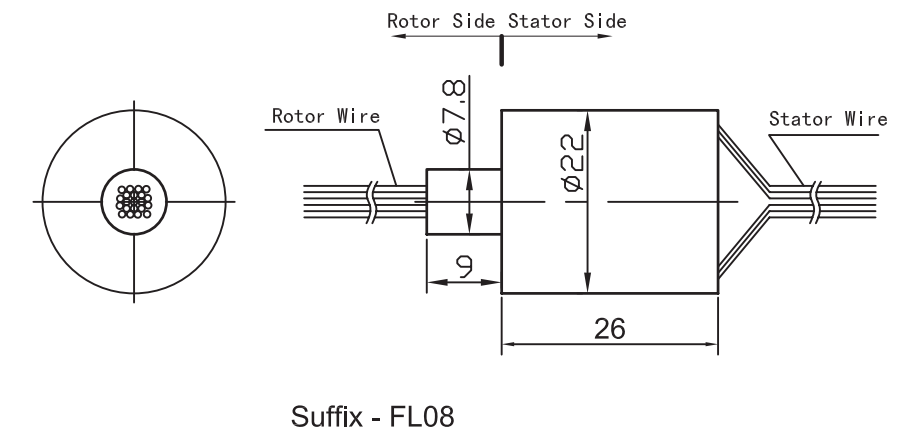
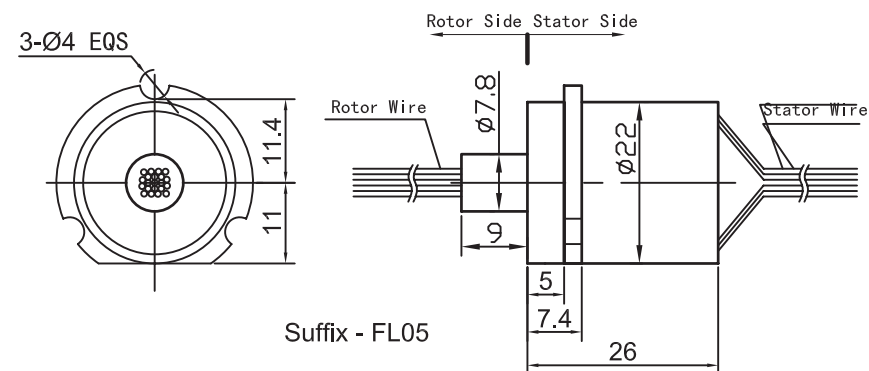
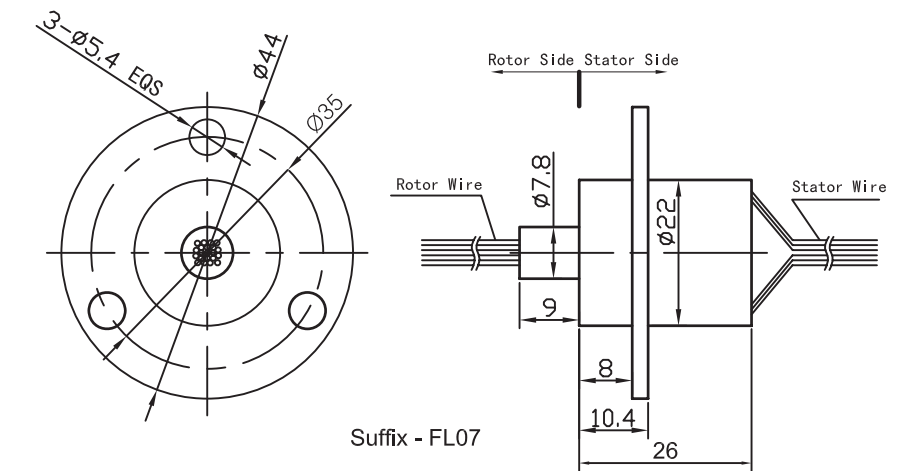
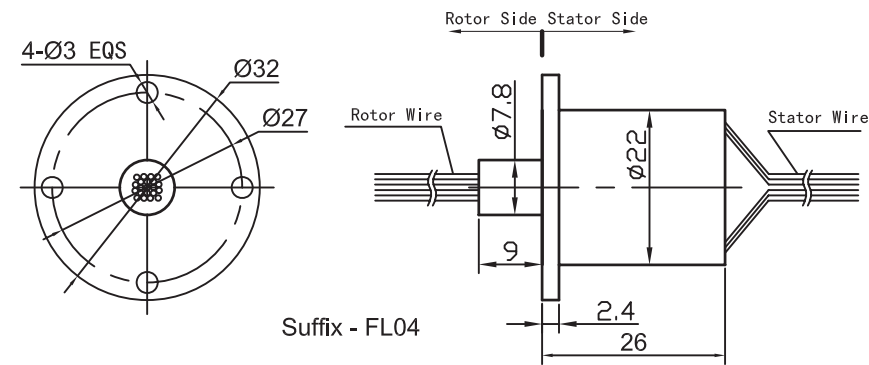
Suffix - FL02



Suffix - FL03

MC260 - MC SERIES

MC260 - MC SERIES



Options

- MC2609 is the high-end version corresponding to MC260.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.

Application

Typical Application

- CCTV Monitoring System.
- Electrical test equipment.
- Medical equipment.
- Rotary table
- Robotics
- Laboratory equipmen
- Manufacturing and process control equipment
- and so on...
- if you want to use this series slip ring on your mechanism, pls contact us for more application: technical@moflon.com

MC330 Slip Rings

OD 22.00mm(0.87"),Length 33mm(1.3")

Mc260 slip rings are small and compact with OD 22mm * L 33mm, with capsule style, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MC3309 is the high-end version corresponding to MC330, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MC330	250RPM	50million	0.04 N·m	Plastics	10m
MC3309	1000RPM	150million	0.001 N·m	Metal	4m



Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES
MC330	22mm*33mm	18	0	0	0	18
MC330-P0604-S06S	22mm*33mm	6	3	0	0	12
MC330-P0308-S06	22mm*33mm	6	0	3	0	9
MC330-P0408-S02	22mm*33mm	2	0	4	0	6
MC330-P0215	22mm*33mm	0	0	0	2	2

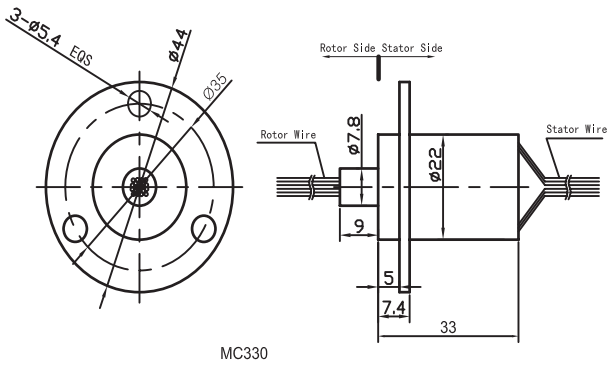
Shared Specifications

Wires	Max 18(see table as above)	Current	Signal(2A),Multiple 2A
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	22mm(0.87")	Length	33mm(1.3")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.04N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

Notes:
1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.
3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN		
3	RED	11	PINK		
4	ORN	12	AZURY		
5	YEL	13	WHT BLK		
6	GRN	14	WHT BRN		
7	BLU	15	WHT RED		
8	PURPLE	16	WHT ORG		

Options

- MC3309 is the high-end version corresponding to MC330.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.

Application

Typical Application

- CCTV Monitoring System.
- Electrical test equipment.
- Medical equipment.
- Rotary table
- Robotics
- Laboratory equipmen
- Manufacturing and process control equipment
- and so on...
- if you want to use this series slip ring on your mechanism, pls contact us for more application:technical@moflon.com

MC400 - MC SERIES

MC400 - MC SERIES

MC400 Slip Rings

OD 22.00mm(0.87"),Length 40mm(1.57")

Mc400 slip rings are small and compact with OD 22mm * L 40mm, with capsule style, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.



MC4009 is the high-end version corresponding to MC400, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MC400	250RPM	50million	0.06 N·m	Plastics	10m
MC4009	1000RPM	150million	0.02 N·m	Metal	4m

Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES
MC400	22mm*40mm	24	0	0	0	24
MC400-P0304-S18	22mm*40mm	18	3	0	0	21
MC400-P0604-S12	22mm*40mm	12	6	0	0	18
MC400-P0804-S08	22mm*40mm	8	8	0	0	16
MC400-P0308-S08	22mm*40mm	8	0	3	0	11
MC400-P0408-S04	22mm*40mm	4	0	4	0	8
MC400-P0508	22mm*40mm	0	0	5	0	5
MC400-P0215-S06	22mm*40mm	6	0	0	2	8
MC400-P0315	22mm*40mm	0	0	0	3	3

Shared Specifications

Wires	Max 24(see table as above)	Current	Signal(2A),Multiple 2A
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	22mm(0.87")	Length	40mm(1.57")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.04N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

Notes:

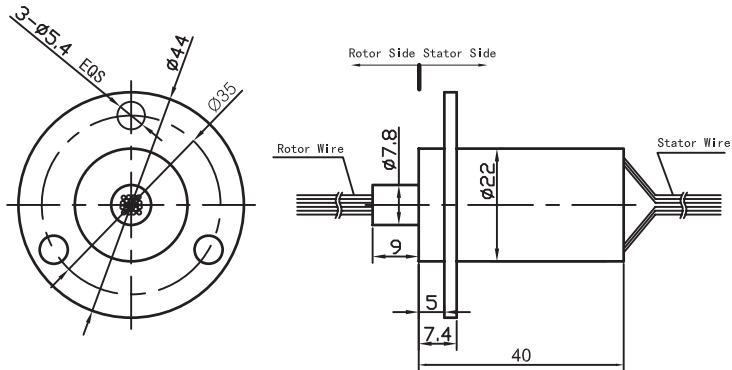
1)The operational life of the unit is dependent upon rotational speed, environment and temperature.

2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.

3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



MC400

Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN	18	WHT GRN
3	RED	11	PINK	19	WHT BLU
4	ORN	12	AZURY	20	WHT PURPLE
5	YEL	13	WHT BLK	21	WHT GRY
6	GRN	14	WHT BRN	22	CRY STAL
7	BLU	15	WHT RED	23	BLK RED
8	PURPLE	16	WHT ORG	24	WHT BRN

Options

- MC4009 is the high-end version corresponding to MC400.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.

Application

Typical Application

- CCTV Monitoring System.
- Electrical test equipment.
- Medical equipment.
- Rotary table
- Robotics
- Laboratory equipmen
- Manufacturing and process control equipment
- and so on...
- if you want to use this series slip ring on your mechanism, pls contact us for more application:technical@moflon.com

MC573 - MC SERIES

MC573 - MC SERIES

MC573 Slip Rings

OD 22.00mm(0.87"),Length 57.3mm(2.26") ,36 Wires*2A(signal)

MC573 slip rings are small and compact with OD 22mm * L 57.3mm, with capsule style, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MC5739 is the high-end version corresponding to MC573, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MC573	150RPM	50million	0.08 N·m	Plastics	10m
MC5739	600RPM	150million	0.03 N·m	Metal	4m



Specifications

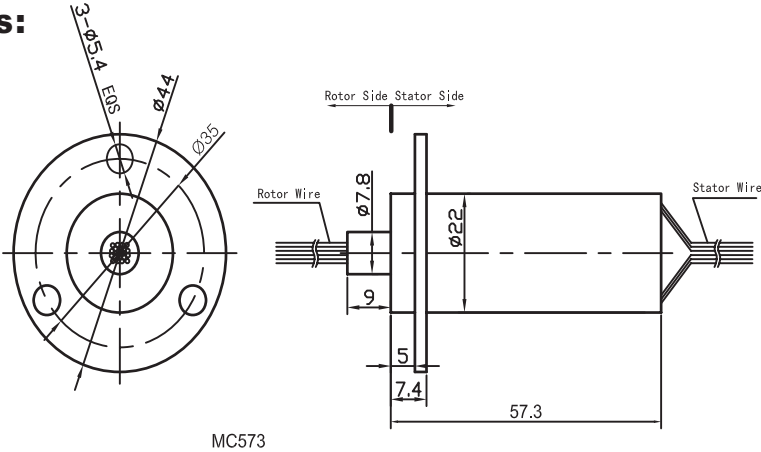
PART #	OD*L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES
MC573	22mm*57.3mm	36	0	0	0	36

Shared Specifications			
Wires	36(see table as above)	Current	Signal(2A)
Voltage	240 VDC/VAC	Max speed	150RPM
Overall diameter	22mm(0.87")	Length	57.3mm(2.26")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.08N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

- Notes:
- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
 - 2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.
 - 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN	18	WHT GRN
3	RED	11	PINK	19	WHT BLU
4	ORN	12	AZURY	20	WHT PURPLE
5	YEL	13	WHT BLK	21	WHT GRY
6	GRN	14	WHT BRN	22	CRY STAL
7	BLU	15	WHT RED	23	BLK RED
8	PURPLE	16	WHT ORG	24	WHT BRN

* Notes: Repeat from 1~24

Options

- › MC5739 is the high-end version corresponding to MC573.
- › Optional flange mounting.
- › Specified connectors and Heat-shrink tube.
- › Longer lead lengths available.
- › High temperature is optional.
- › Military Grade.

Application

Typical Application

- › CCTV Monitoring System.
- › Electrical test equipment.
- › Medical equipment.
- › Rotary table
- › Robotics
- › Laboratory equipmen
- › Manufacturing and process control equipment
- › and so on...
- › if you want to use this series slip ring on your mechanism, pls contact us for more application:technical@moflon.com

MC857 - MC SERIES

MC857 - MC SERIES

MC857 Slip Rings

OD 25.00mm(0.97"),Length 85.7mm(3.37") ,56 Wires*2A(signal)

MC857 slip rings are small and compact with OD 22mm * L 85.7mm, with capsule style, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MC8579 is the high-end version corresponding to MC330, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MC857	100RPM	50million	0.15 N·m	Plastics	10m
MC8579	300RPM	150million	0.05 N·m	Metal	4m



Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES
MC330	22mm*33mm	18	0	0	0	18

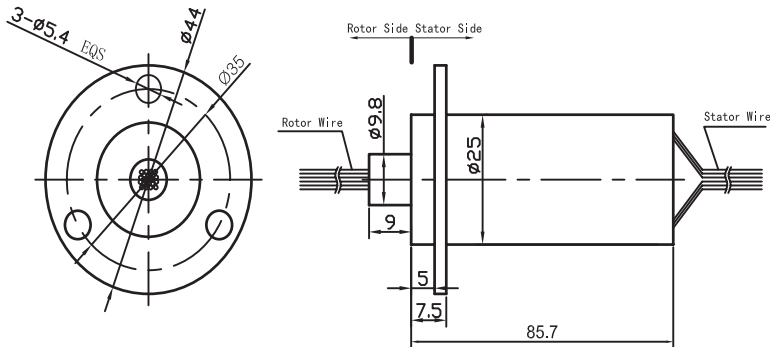
Shared Specifications

Wires	56(see table as above)	Current	Signal(2A)
Voltage	240 VDC/VAC	Max speed	100RPM
Overall diameter	25mm(0.98")	Length	85.7mm(3.37")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.15N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

- Notes:
- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
 - 2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.
 - 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



MC857

Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN	18	WHT GRN
3	RED	11	PINK	19	WHT BLU
4	ORN	12	AZURY	20	WHT PURPLE
5	YEL	13	WHT BLK	21	WHT GRY
6	GRN	14	WHT BRN	22	CRY STAL
7	BLU	15	WHT RED	23	BLK RED
8	PURPLE	16	WHT ORG	24	WHT BRN

* Notes: Repeat from 1~24

Options

- › MC8579 is the high-end version corresponding to MC857.
- › Optional flange mounting.
- › Specified connectors and Heat-shrink tube.
- › Longer lead lengths available.
- › High temperature is optional.
- › Military Grade.

Application

Typical Application

- › CCTV Monitoring System.
- › Electrical test equipment.
- › Medical equipment.
- › Rotary table
- › Robotics
- › Laboratory equipmen
- › Manufacturing and process control equipment
- › and so on...
- › if you want to use this series slip ring on your mechanism, pls contact us for more application:technical@moflon.com

MMC SERIES

MMC Series Miniture slip rings with capsules

MMC series slip rings are miniture with OD 12.5mm or smaller.(See other miniture type slip rings - MSP series)

Special designed for CCTV or tiny rotating system, Special fit for miniature

rotating system of transmitting low controlling signal.

Standard, off-the-shelf,no through bore,solid

Circuits combination is available (sucn as video, control , sensor, power, Ethernet and so on)

Lower torque low contact wear rates

Support video, control,sensor,power, Ethernet signals

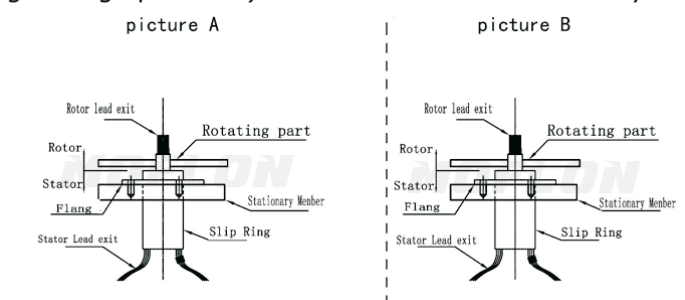


MODEL#	OD*LENGTH (MM)	RINGS	CURRENT	VOLTAGE	MAX SPEED
MMC182	12.5*18.2 (0.49"*0.72")	6	Signal(2A)	240VAC/VDC	250RPM
MMC250	12.5*25 (0.49"*0.98")	12	Signal(2A)	240VAC/VDC	250RPM
MMC397	15.5*39.7 (0.59"*1.56")	24	Signal(2A)	240VAC/VDC	250RPM

Flange Mounting Instructions

1. Align the mounting holes in the flange to mounting base and install flat washers and thread forming screws (NOT SUPPLIED) for plastic. Securely tighten screws.
2. Route the wiring and make the necessary connections. Do not allow the wiring to restrict free rotation of the slip ring.
3. Position a screw or dowel (NOT SUPPLIED) in the anti-rotation tab to the dimension as shown.

CAUTION: Because of possible geometric mismatching between the customer's application and the slip ring, 'hard mounting' of both ends of the slip ring (i.e., securing the rotor and stator such that there is NO floating during operation) is not recommended and may cause premature failure



MMC182 - MMC SERIES

MMC182 - MMC SERIES

MMC182 Slip Rings

OD 12.50mm(0.49"), Length 18.2mm(0.72"), 6wires* 2A(signal)

MMC182 slip rings are small and compact with OD 12.5mm * L 18.2mm, standard, off-the-shelf. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MMC1829 is the high-end version corresponding to MMC182, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise ^① @10Rpm
MMC182	250RPM	50million	0.02 N·m	Plastics	10m
MMC1829	10000RPM	1500million	0.005 N·m	Metal	4m



Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES	DOWNLOAD
MMC182	12.5mm*18.2mm	6	0	0	0	6	
Shared Specifications							
Wires	6(see table as above)		Current		Signal(2A)		
Voltage	240 VDC/VAC		Max speed		250RPM		
Overall diameter	12.5mm(0.49")		Length		18.2mm(0.72")		
Contact Material	Precious Metal:gold-gold		Contact Resistance		<150mOhm(AWG28#,250mm)		
Housing Material	Plastics		Torque		0.02N.m		
Working life	50million		Electrical noise		<10mΩ		
Dielectric strength	600VDC@50Hz		Lead Wire		UL Teflon® Awg28		
Insulation resistance	1000MΩ@500VDC		Lead Lengths		250mm		
Operating Temp.	-40°C to 80°C		Protection		IP51		
Mechanical vibration	MIL-SID-810E		Humidity		10% to 90% RH		
Materials	Lead Free,RoHS compliant		CE Certified		YES		

Notes:

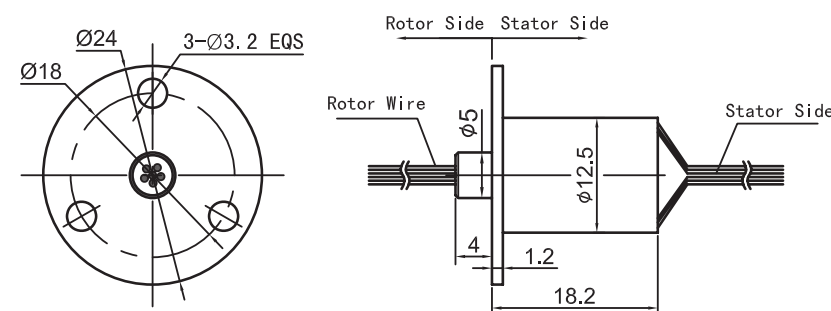
1)The operational life of the unit is dependent upon rotational speed, environment and temperature.

2)Lead Wire size: 2A/signal -> AWG30, colored code.

3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



MMC182

Lead wire Color codes

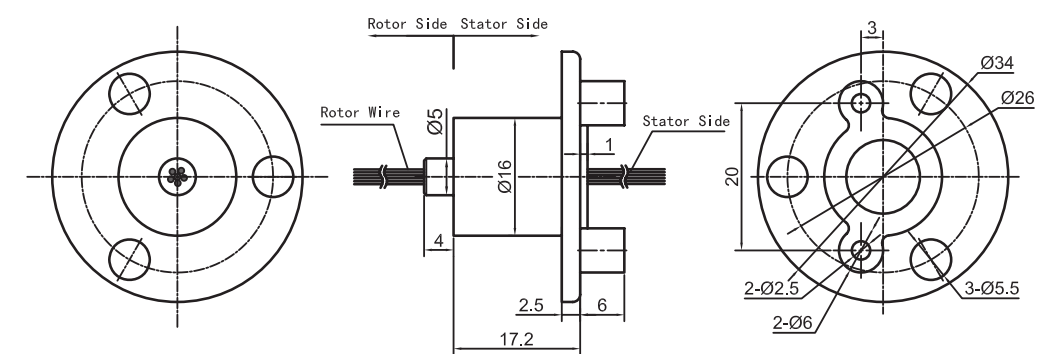
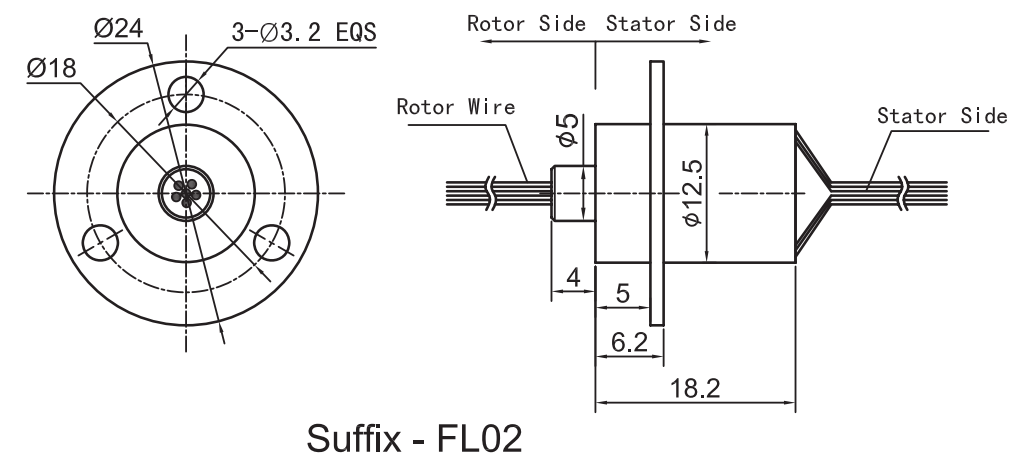
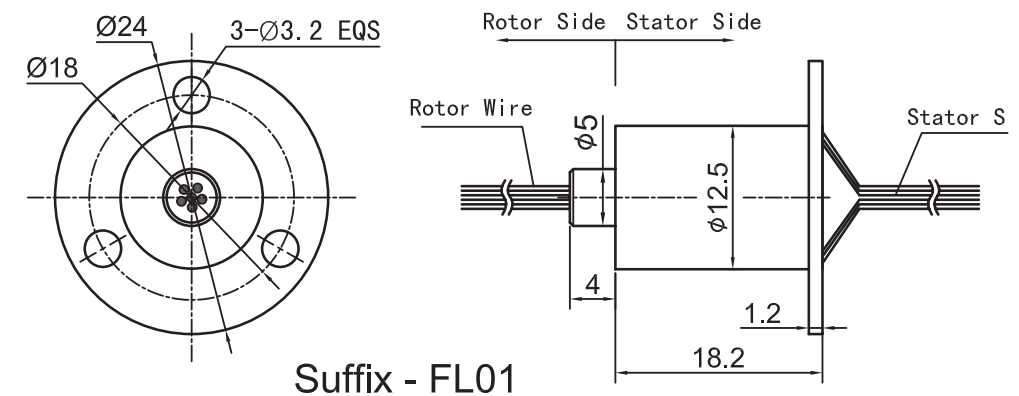
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	3	RED	5	YEL
2	BRN	4	ORN	6	GRN

Optional Flanges drawings:

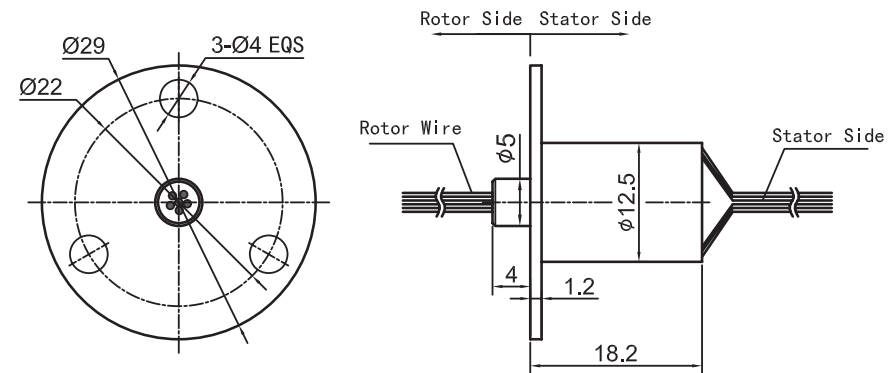
At sometimes, we need a different flange for mounting instead, how should we do?

Great! Moflon supply many flange style as below:

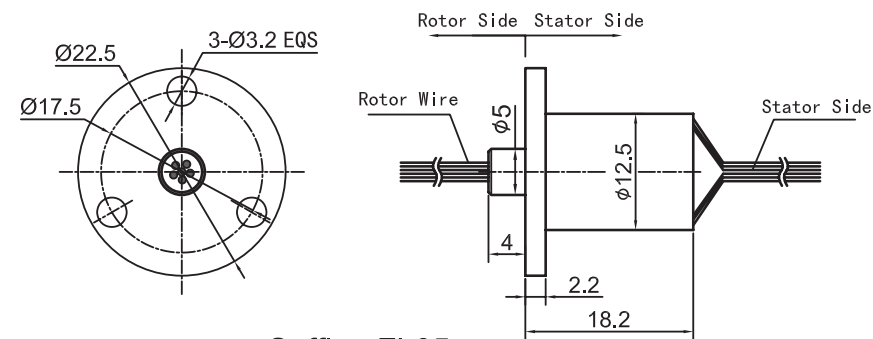
(when you order, pls add FL01 ... FL06 at the suffix of Part#, for example: MMC182-06S-FL01 means MMC182-06S with optional flange FL01.)



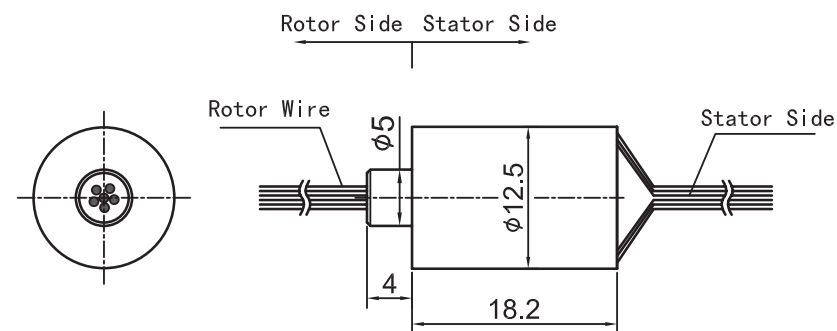
Suffix - FL03



Suffix - FL04



Suffix - FL05



Suffix - FL06

Options

- ▶ MMC1829 is the high-end version corresponding to MMC182.
- ▶ Optional flange mounting.
- ▶ Specified connectors and Heat-shrink tube.
- ▶ Longer lead lengths available.
- ▶ High temperature is optional.
- ▶ Military Grade.

Application

CCTV Monitoring System.
Electrical test equipment.
Medical equipment.
Rotary table
Robotics
Laboratory equipment
Manufacturing and process control equipment
and so on...

if you want to use this series slip ring on your mechanism, pls contact us for more application: technical@moflon.com

MMC250 Slip Rings

OD 12.50mm(0.49"),Length 25mm(0.98"), 12wires* 2A(signal)

MMC250slip rings are small and compact with OD 12.5mm * L 25mm, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MMC2509 is the high-end version corresponding to MMC250, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MMC250	250RPM	50million	0.02 N·m	Plastics	10m
MMC2509	800RPM	150million	0.005 N·m	Metal	4m



Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES	DOWNLOAD
MMC250	12.5mm*25mm	12	0	0	0	12	

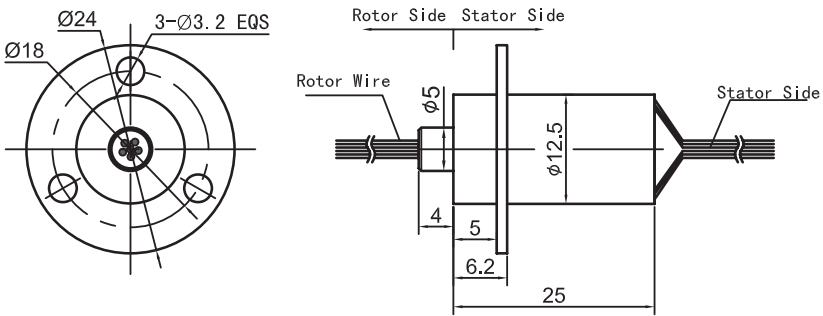
Shared Specifications

Wires	12(see table as above)	Current	Signal(2A)
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	12.5mm(0.49")	Length	25mm(0.98")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.02N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg30
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

- Notes:
- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
 - 2)Lead Wire size: 2A/signal -> AWG30, colored code.
 - 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



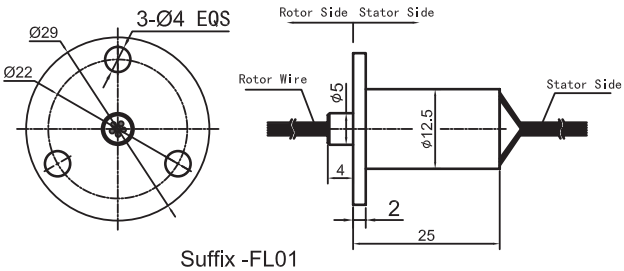
MMC250

Lead wire Color codes

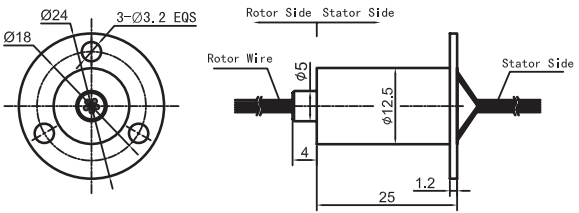
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	3	RED	5	YEL
2	BRN	4	ORN	6	GRN
7	BLU	9	GRY	11	PINK
8	PURPLE	10	WHT	12	AZURY

Optional Flanges drawings:

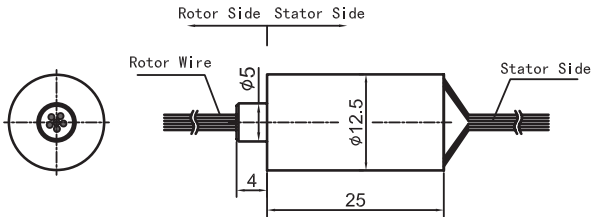
At sometimes, we need a different flange for mounting instead, how should we do?
Great! Moflon supply many flange style as below:
(when you order, pls add FL01 ... FL03 at the suffix of Part#, for example: MMC250-12S-FL01 means MMC250-12S with optional flange FL01.)



Suffix -FL01



Suffix -FL02



Suffix -FL03

MMC397 Slip Rings

OD 15.50mm(0.59"),Length 29.7mm(1.56"), 24wires* 2A(signal)

MMC397 slip rings are small and compact with OD 12.5mm * L 39.7mm, standard, off-the-shelf.Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MMC3979 is the high-end version corresponding to MMC397, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MMC397	150RPM	50million	0.06 N·m	Plastics	10m
MMC3979	600RPM	150million	0.01 N·m	Metal	4m



Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES	DOWNLOAD
MMC397-S24	12.5mm*39.7mm	24	0	0	0	24	
MMC397-P0215	12.5mm*39.7mm	0	0	0	2	2	

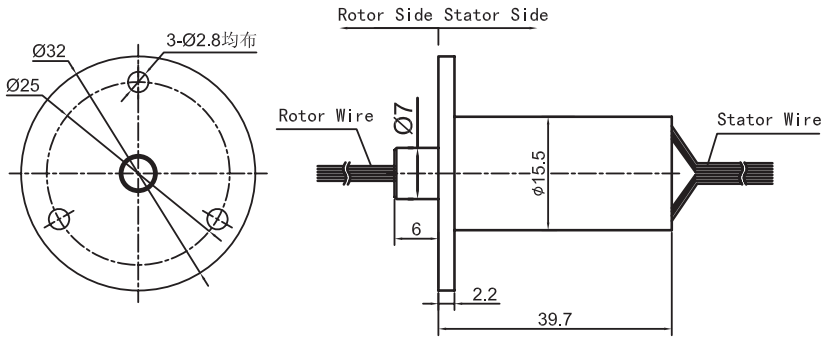
Shared Specifications

Wires	24(see table as above)	Current	Signal(2A)
Voltage	240 VDC/VAC	Max speed	150RPM
Overall diameter	15.5mm(0.59")	Length	39.7mm(1.56")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.02N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg30
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

- Notes:
- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
 - 2)Lead Wire size: 2A/signal -> AWG30, colored code.
 - 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN	18	WHT GRN
3	RED	11	PINK	19	WHT BLU
4	ORN	12	AZURY	20	WHT PURPLE
5	YEL	13	WHT BLK	21	WHT GRY
6	GRN	14	WHT BRN	22	CRY STAL
7	BLU	15	WHT RED	23	BLK RED
8	PURPLE	16	WHT ORG	24	WHT BRN