

SLIP RINGS

M Series Catalog

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• MOD300 Series Capsule Slip Ring	M12

M Series Capsule Slip Ring

GoodProx M series capsule slip rings with quite compact size, specially designed for medium/small equipments such as high speed dome, children intelligent toys, stage lights, drones, robots ... to transmit power or signals when 360° rotating.



Main Features

- Compact design, OD 6.5mm~30mm;
- Adopt Germany/US advanced processing technology for key materials, military level gold-gold contacts points ensures ultra- low contact resistance and long working life ;
- Advantages: low torque, low loss, low electrical noise, maintenance free ;
- Typical application: high speed dome, children intelligent toys, stage lights, drones, robots, stabilizer, smart home appliance ...

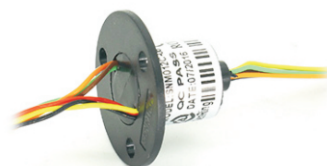
Photos of Some Products



type A flange



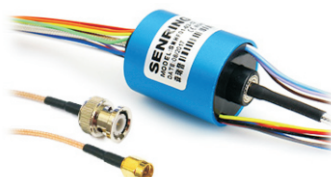
type B flange



type C flange



without flange



RF+power/signal



HD signal



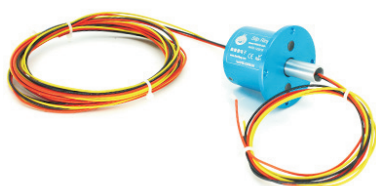
HDMI+USB2.0



fiber+electrical



Pneumatic+electrical



waterproof (IP65)



Ethernet



HDMI+signal

Part No. Description

M - OD - F - circuits no. - current

M:capsule slip ring code

OD:outer dimension of housing
 065:OD 6.5mm 079: OD 7.9mm
 125:OD 12.5mm 155: OD 15.5mm
 220:OD 22mm 250: OD 25mm
 300:OD 30mm

F:flange type(optional,as drawing)

Examples:
 default current , can be omitted
 05:0~5A 10:0~10A
 15:0~15A 30:0~30A
 50:0~50A

Examples:
 04:4circuits 06:6circuits
 08:8circuits 12:12circuits
 18:18circuits 24:24circuits
 56:56circuits

Examples

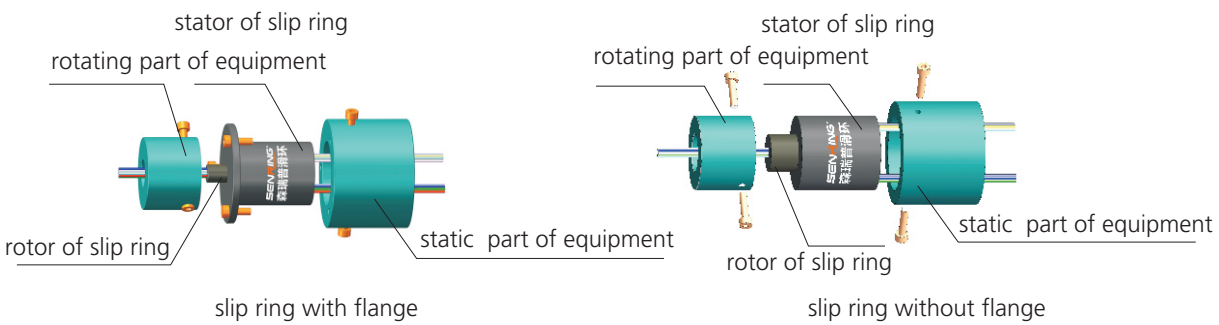
- MOD065-08 : "M" capsule slip ring, "065" OD6.5mm,without flange, "08" 8 circuits, 1A per circuit (default 1A)
- MOD220A-12: "M" capsule slip ring, "220" OD22mm,"A" type A flange, "12" 12 circuits, 2A per circuit (default 0~2A)
- MOD155C-0605: "M" capsule slip ring, "155" OD15.5mm, "C" type C flange, "0605" 6 circuits,5A per circuit

Model List

Model#	OD(mm)	Circuits No.	Max current/circuit
MOD65	6.5	4、6、8、12	1A
MOD79	7.9	4、6、8、12	1A
MOD125	12.5	2、3、4、6、12、18	1.5A, 5A
MOD155	15.5	24	1.5A
MOD220	22	2、3、4、6、8、12、18、24、36	2A, 5A, 10A, 30A
MOD250	25	56	2A
MOD300	30	2、3、4、6	30A, 50A

Installation

- 1.Fixing by stator part of slip ring: put slip ring into sleeve of static part , fix flange with screws , or fix stator wires
- 2.Fixing by rotor part of slip ring: because of small torque, only need to fix rotor wire . Or fix a sleeve on rotor part to rotate the slip ring



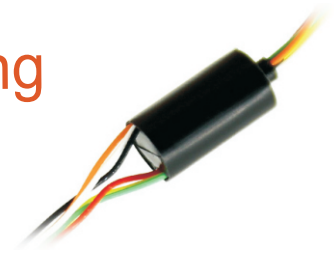
Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring#	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

Remark: "1" : the first wire from rotor side , MOD125A-06 wire color sequence: BLK/BRN/RED/ORG/YEL/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....

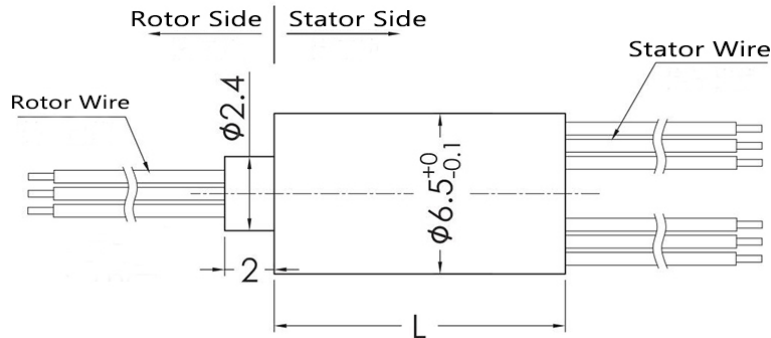
MOD65 Series Capsule Slip Ring

OD:6.5mm,4-12circuits



Part No. Description

M:capsule slip ring code	MOD65 - circuits no.	Examples:
65:OD 6.5mm		04:4circuits, 1A each 06:6circuits, 1A each 08:8circuits, 1A each 12:12circuits, 1A each



Standard Model List

MOD65 series model list			
Part no.	Circuits no.	Max current/circuit	Length L(mm)
MOD65-04	4	1A	11.8
MOD65-06	6	1A	11.8
MOD65-08	8	1A	11.8
MOD65-12	12	1A	17.6

Technical Specification

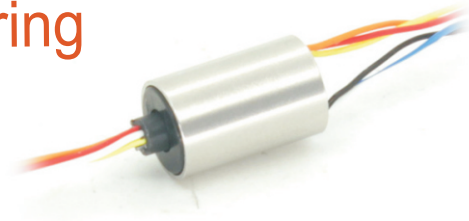
Mechanical		Electrical	
Rotating Speed	150RPM	Rated Voltage	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	$\geq 300M\Omega/300VDC$
Working Humidity	0~85%RH	Lead Wire Spec.	AWG30#teflon,silver plated
Contact Material	gold-gold	Lead Wire Length	standard 150mm(can be customized)
Housing Material	plastic	Dielectric Strength	300VAC@50Hz,60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	$< 0.01\Omega$
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

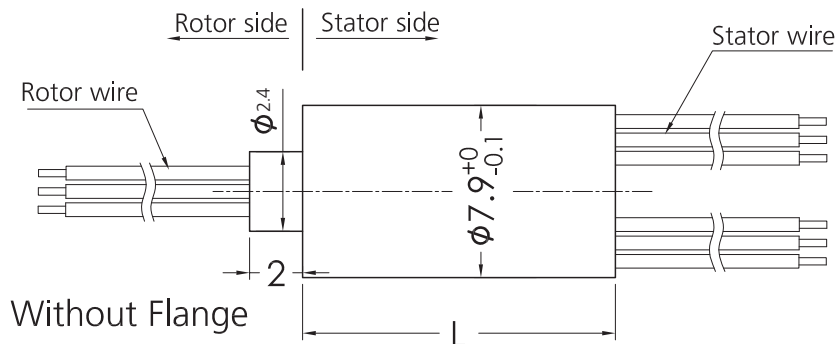
MOD79 Series Capsule slip ring

OD:7.9mm,4~12circuits



Part No. Description

MOD79 - circuits no.	
M:capsule slip ring code	Examples:
79:OD 7.9mm	04:4circuits, 1A each 06:6circuits, 1A each
	08:8circuits, 1A each 12:12circuits, 1A each



Standard Model List

MOD79 series model list			
Part no.	Circuits no.	Max current/circuit	Length L(mm)
MOD79-04	4	1A	11.8
MOD79-06	6	1A	11.8
MOD79-08	8	1A	11.8
MOD79-12	12	1A	17.6

Technical Specification

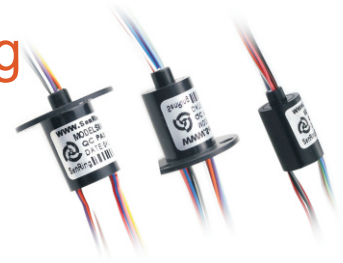
Mechanical		Electrical	
Rotating Speed	150RPM	Rated Voltage	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥300MΩ/300VDC
Working Humidity	0~85%RH	Lead Wire Spec.	AWG32#teflon,silver plated
Contact Material	gold-gold	Lead Wire Length	standard 150mm(can be customized)
Housing Material	stainless steel	Dielectric Strength	300VAC@50Hz,60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	<0.01Ω
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

MOD125 Series Capsule Slip Ring

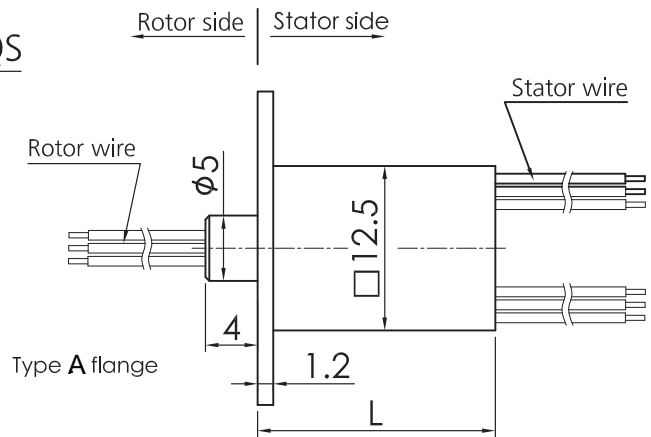
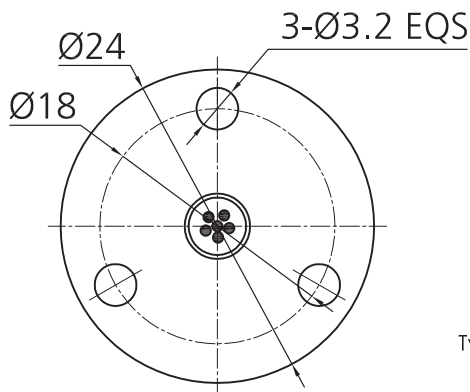
OD:12.5mm,2~18circuits



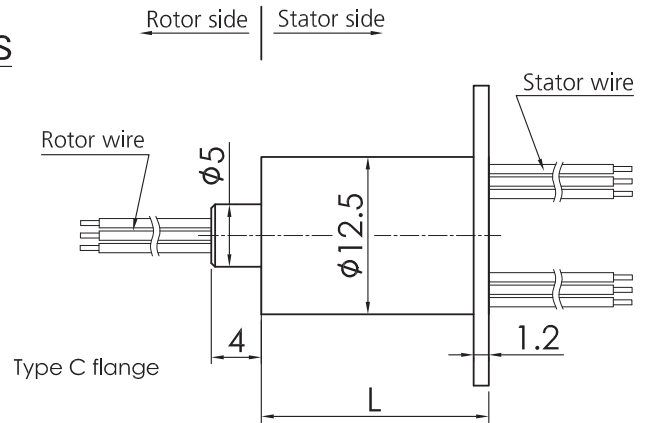
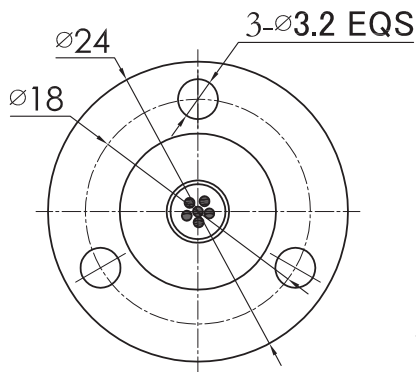
Part No. Description

MOD125 - F - circuits no. - current	
M:capsule slip ring code 125:OD12.5mm	Examples: default 1.5A 05:5A
F:flange type(3 types,as drawing)	Examples: 06:6circuits 12:12circuits

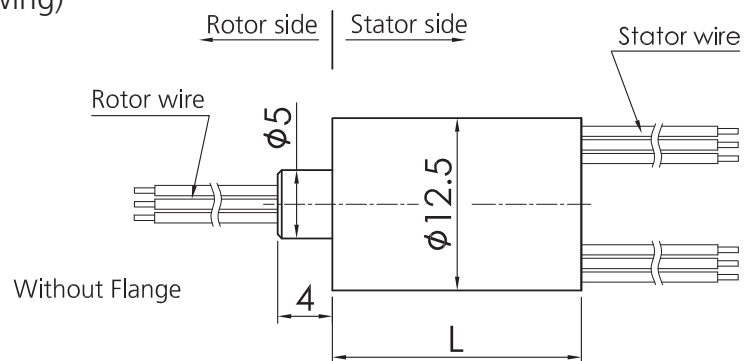
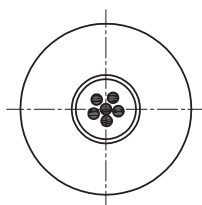
MOD125A(Type A flange drawing)



MOD125C(Type C flange drawing)



MOD125(without flange drawing)



Standard Model List

M125 series model list				
Part no.	Circuits no.	Max current/circuit	Lead spec.	Length L(mm)
MOD125-06	6	1.5A	AWG30#teflon,silver plated	13.5
MOD125-12	12	1.5A	AWG30#teflon,silver plated	18.2
MOD125-18	18	1.5A	AWG30#teflon,silver plated	23.5
MOD125-0205	2	5A	AWG22#teflon,silver plated	13.5
MOD125-0305	3	5A	AWG22#teflon,silver plated	18.2
MOD125-0405	4	5A	AWG22#teflon,silver plated	18.2

Technical Specification

Mechanical		Electrical	
Rotating Speed	250RPM	Rated Voltage	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥300MΩ/300VDC
Working Humidity	0~85%RH	Lead Wire Spec.	refer to model list
Contact Material	gold-gold	Lead Wire Length	standard 150mm(can be customized)
Housing Material	plastic	Dielectric Strength	300VAC@50Hz,60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	<0.01Ω
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring #	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

MOD155 Series Capsule Slip Ring

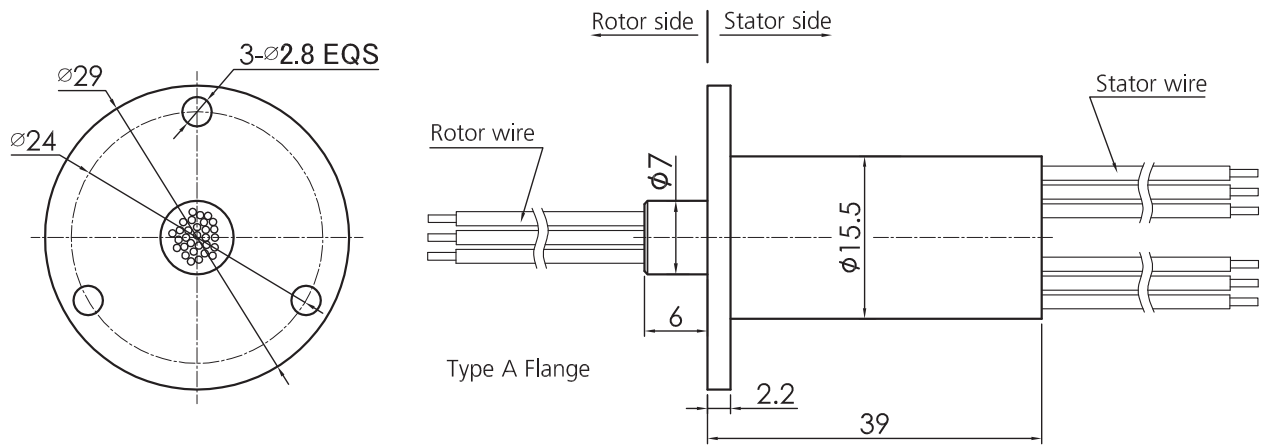
OD:15.5mm,24circuits



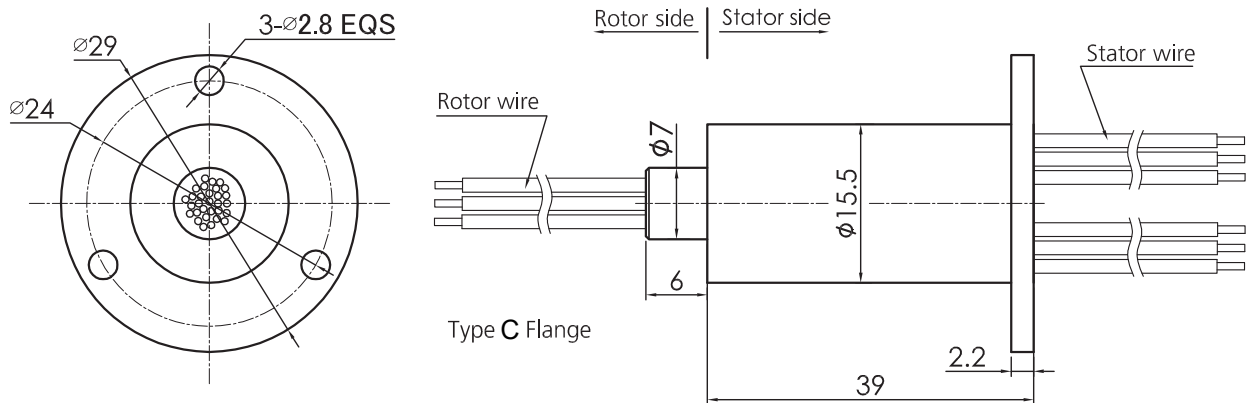
Part No. Description

M:capsule slip ring code 155:OD15.5mm	MOD155 - E 24	24 circuits, 1.5A each
		F:flange types(2 type,as drawing)

MOD155A(Type A flange drawing)



MOD155C(Type C flange drawing)



Standard Model List

M155 series model list			
Part no.	Circuits no.	Max current/circuit	Length L(mm)
MOD155A-24	24	1.5A	39
MOD155C-24	24	1.5A	39

Technical Specification

Mechanical		Electrical	
Rotating Speed	250RPM	Rated Voltage	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥300MΩ/300VDC
Working Humidity	0~85%RH	Lead Wire Spec.	AWG30#teflon,silver plated
Contact Material	gold-gold	Lead Wire Length	standard 150mm(can be customized)
Housing Material	plastic	Dielectric Strength	300VAC@50Hz,60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	<0.01Ω
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

Color Code of Lead Wire

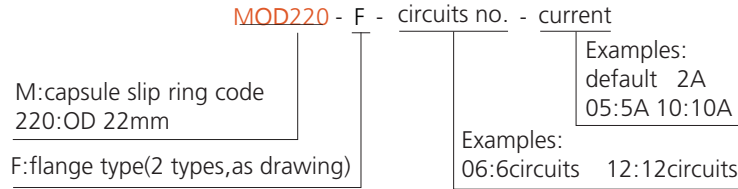
ring#	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring#	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

MOD220 Series Capsule Slip Ring

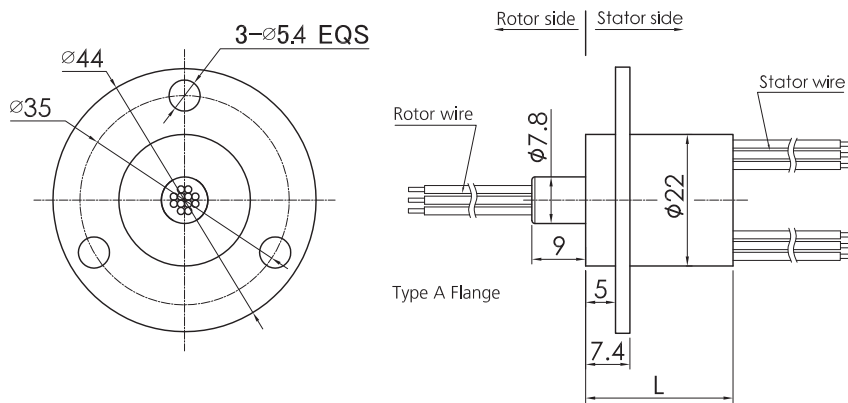
OD:22mm,2~36circuits



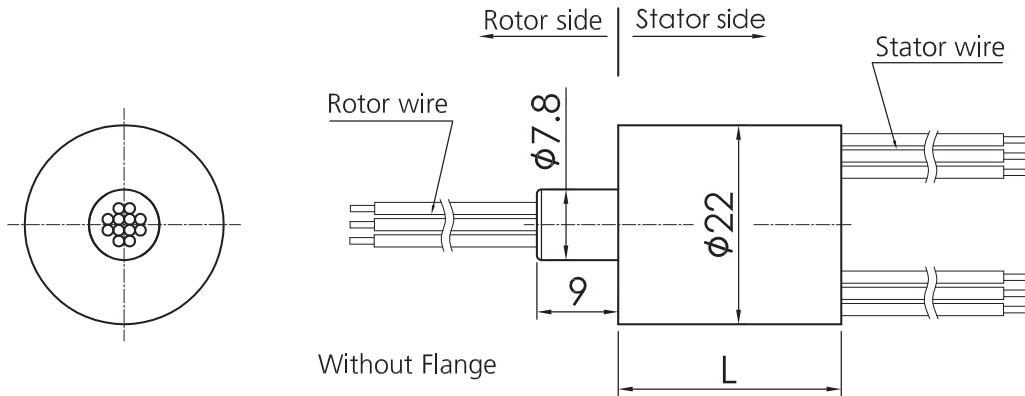
Part No. Description



MOD220A (Type A flange drawing)



MOD220 (without flange drawing)



Standard Model List

M220 series model list				
Part no.	Circuits no.	Max current/circuit	Lead spec.	Length L(mm)
MOD220-06	6	2A	AWG26#teflon, silver plated	19
MOD220-12	12	2A	AWG26#teflon, silver plated	26
MOD220-18	18	2A	AWG26#teflon, silver plated	33
MOD220-24	24	2A	AWG26#teflon, silver plated	40
MOD220-36	36	2A	AWG26#teflon, silver plated	54.5
MOD220-0605	6	5A	AWG22#teflon, silver plated	40

MOD220 series model list				
Part no.	Circuits no.	Max current/circuit	Lead spec.	Length L(mm)
MOD220-0805	8	5A	AWG22#teflon, silver plated	40
MOD220-1205	12	5A	AWG22#teflon, silver plated	40
MOD220-0210	2	10A	AWG17#teflon, silver plated	26
MOD220-0310	3	10A	AWG17#teflon, silver plated	33
MOD220-0410	4	10A	AWG17#teflon, silver plated	40
MOD220-0230	2	30A	AWG12#teflon, silver plated	40
MOD220-0330	3	30A	AWG12#teflon, silver plated	47
MOD220-0205-12S	2circuits@5A+12circuits signal		5A(AWG22),signal(AWG26)	40
MOD220-0305-12S	3circuits@5A+12circuits signal		5A(AWG22),signal(AWG26)	40
MOD220-0605-06S	6circuits@5A+6circuits signal		5A(AWG22),signal(AWG26)	40
MOD220-0210-12S	2circuits@10A+12circuits signal		10A(AWG17),signal(AWG26)	40
MOD220-0310-06S	3circuits@10A+6circuits signal		10A(AWG17),signal(AWG26)	40
MOD220-0320-04S	3circuits@20A+4circuits signal		20A(AWG14),signal(AWG26)	40
MOD220-0410-04S	4circuits@10A+4circuits signal		10A(AWG17),signal(AWG26)	40

Technical Specification

Mechanical		Electrical	
Rotating Speed	150RPM	Rated Voltage	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥300MΩ/300VDC
Working Humidity	0~85%RH	Lead Wire Spec.	refer to model list
Contact Material	gold-gold	Lead Wire Length	standard 150mm(can be customized)
Housing Material	plastic	Dielectric Strength	300VAC@50Hz,60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	<0.01 Ω
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

Color Code of Lead Wire

ring#	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring#	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

Remark: "1" : the first wire from rotor side , M125A-06 wire color sequence: BLK/BRN/RED/ORG/YEL/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....

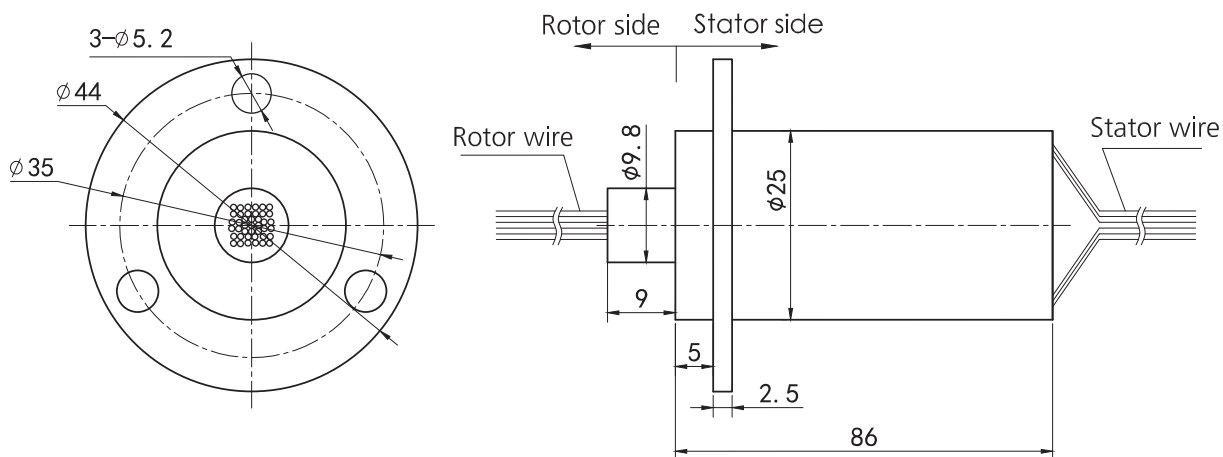
MOD250 Series Capsule Slip Ring

OD:25mm,56circuits



Part No. Description

MOD250 - 56	
M:capsule slip ring code 250:OD 25mm	56circuits,2A each



Standard Model List

M250 series model list				
Part no.	Circuits no.	Max current/circuit	Lead spec.	Length L(mm)
MOD250-56	56	2A	AWG26#teflon, silver plated	86

Technical Specification

Mechanical		Electrical	
Rotating Speed	250RPM	Rated Voltage	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥300MΩ/300VDC
Working Humidity	0~85%RH	Lead Wire Spec.	AWG26#teflon, silver plated
Contact Material	gold-gold	Lead Wire Length	standard 150mm(can be customized)
Housing Material	plastic	Dielectric Strength	300VAC@50Hz, 60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	<0.01Ω
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

MOD300 Series Capsule Slip Ring

OD : 30mm,4~6circuits



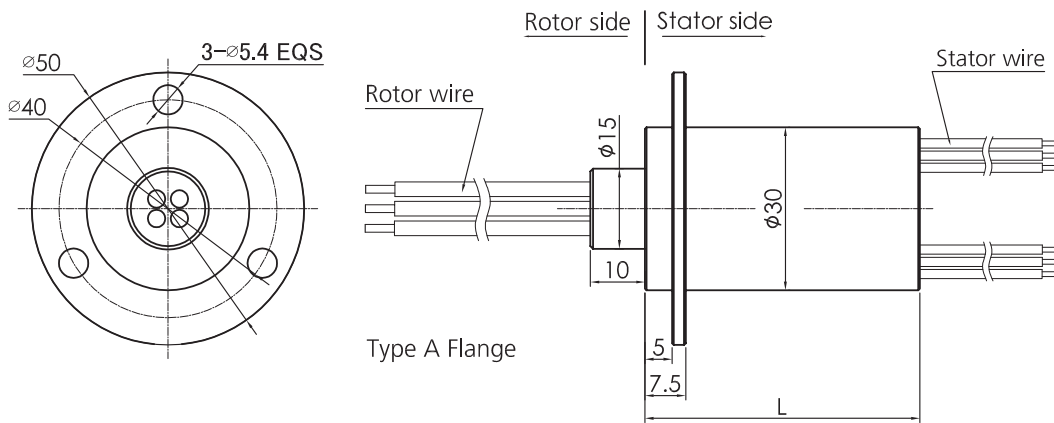
Part No. Description

MOD300 - circuits no. - current

M:capsule slip ring code
300:OD 30mm

Examples:
30:30A 50:50A

Examples:
04:4circuits 06:6circuits



Standard Model List

M300 series model list				
Part no.	Circuits no.	Max current/circuit	Lead spec.	Length L(mm)
MOD300-0430	4	30A	AWG12#teflon, silver plated	50
MOD300-0250	2	50A	AWG12*2#teflon, silver plated	50
MOD300-0630	6	30A	AWG12#teflon, silver plated	65.7
MOD300-1210	12	10A	AWG17#teflon, silver plated	74

Technical Specification

Mechanical		Electrical	
Rotating Speed	250RPM	Rated Voltage	0~440VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥300MΩ/300VDC
Working Humidity	0~85%RH	Lead Wire Spec.	refer to model list
Contact Material	gold-gold	Lead Wire Length	standard 200mm(can be customized)
Housing Material	metal	Dielectric Strength	300VAC@50Hz,60s
Torque	0.05N.m (+0.01N.m/6circuits)	Electrical Noise	<0.01 Ω
Working Life	10millions for ref(depends on working conditions)		
IP Grade	IP51		

Color Code of Lead Wire

ring #	1	2	3	4	5	6
color	BLK	BRN	RED	ORG	YEL	GRN