

## MRT075A Slip Rings

Designed for harsh environment, Connectors integrated on both side.

Using for winch machine signal, power transmitting.

IP51, IP65 protection grade, water proof, IP68 on request.

Uses fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle  
Rings combination is available



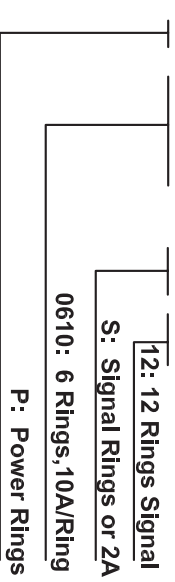
### Specifications

Circuits	2~42	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	600RPM
Housing Material	Stainless Steel	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	N-pin connectors
Insulation resistance	1000MΩ@600VDC	Lead Lengths	
Operating Temp.	-40°C to 80°C	Protection	IP65(IP68 on request)
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 85% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

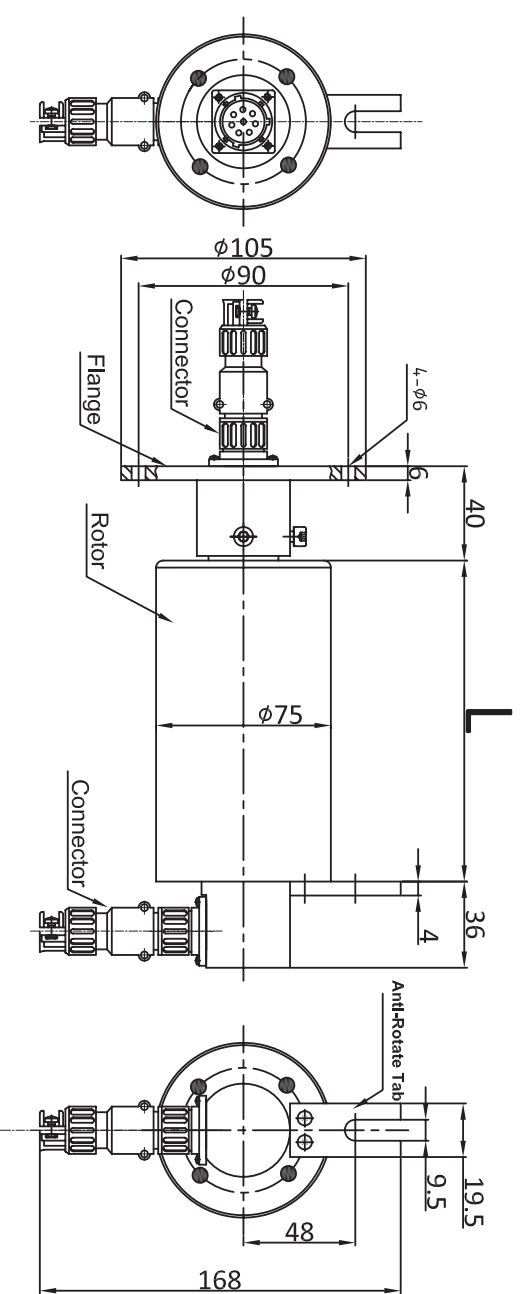
MRT075A PART#	Rings	Current/Ring	Voltage	L
MRT075A-06	6 Rings	0~10A	0~600V	45mm
MRT075A-12	12 Rings	0~10A	0~600V	65.5mm
MRT075A-18	18 Rings	0~10A	0~600V	86mm
MRT075A-24	24 Rings	0~10A	0~600V	106.5mm
MRT075A-30	30 Rings	0~10A	0~600V	126mm
MRT075A-36	36 Rings	0~10A	0~600V	147mm
MRT075A-42	42 Rings	0~10A	0~600V	168mm

### Part Explanation

MRT075A - P 0610 - S 12



### Drawings



### Options

Can combine more wires:1-120Ring

Specified connectors and Heat-shrink tube.

Longer lead lengths available.

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

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.

## MRT075B Slip Rings

Designed for harsh environment, Connectors integrated on both side.  
Using for winch machine signal, power transmitting.  
IP51, IP65 protection grade, water proof, IP68 on request.  
Uses fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle  
Rings combination is available



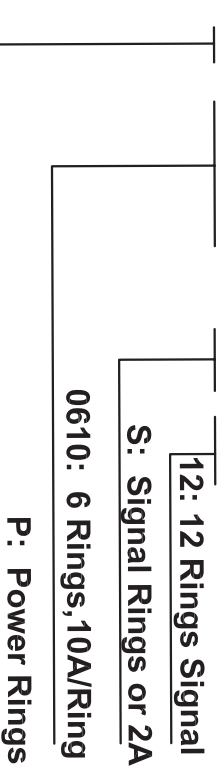
### Specifications

Circuits	2~42	Current	Signal(2A), 10A
Voltage	600 VDC/VAC	Max speed	600RPM
Housing Material	Stainless Steel	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	N-Pin connectors
Insulation resistance	1000MΩ@600VDC	Lead Lengths	
Operating Temp.	-40°C to 80°C	Protection	IP65 (IP68 on request)
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 85% RH
Materials	Lead Free, RoHS compliant	CE Certified	YES

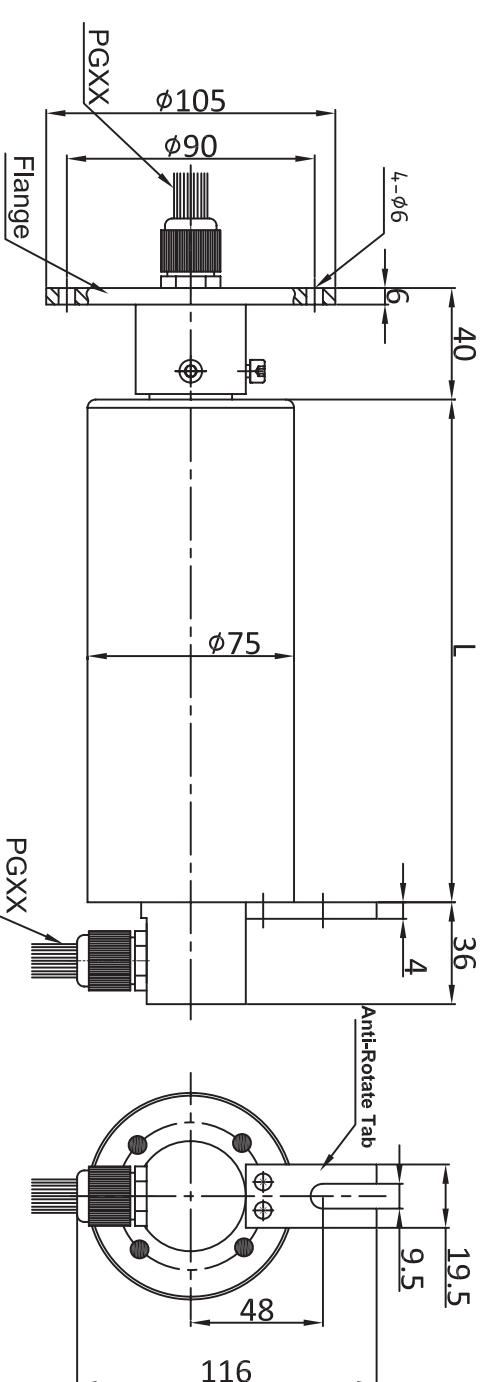
MRT075B PART#	Parts#	Rings	Current/Ring	Voltage L
MRT075B-06	6 Rings	0~10A	0~600V	45mm
MRT075B-12	12 Rings	0~10A	0~600V	65.5mm
MRT075B-18	18 Rings	0~10A	0~600V	86mm
MRT075B-24	24 Rings	0~10A	0~600V	106.5mm
MRT075B-30	30 Rings	0~10A	0~600V	126mm
MRT075B-36	36 Rings	0~10A	0~600V	147mm
MRT075B-42	42 Rings	0~10A	0~600V	168mm

### Part Explanation

MRT075B - P 0610 - S 12



### Drawings



### Options

- 1) Connection Sizes 1/8", 1/4", 3/8", 1/2", 3/4", 1". Other sizes available upon request.
- 2) Connection Type NPT & BSPP threads standard. SAE, NPTF, and other thread options are available on a custom basis.
- 3) Plating and Coatings Black oxide plating is standard. Anodized, E-Nickel, Chrome, Nitride, Ceramic and other specialty platings are available as custom options.
- 4) Materials Carbon steel is the standard material for the GP Series, Stainless Steel is the standard material for the GPS Series. Aluminum, Brass, and other materials are available on a custom basis.
- 5) Media Types: Air/Gas, Chemical, DI / Tap Water, Oil, Water/Glycol.