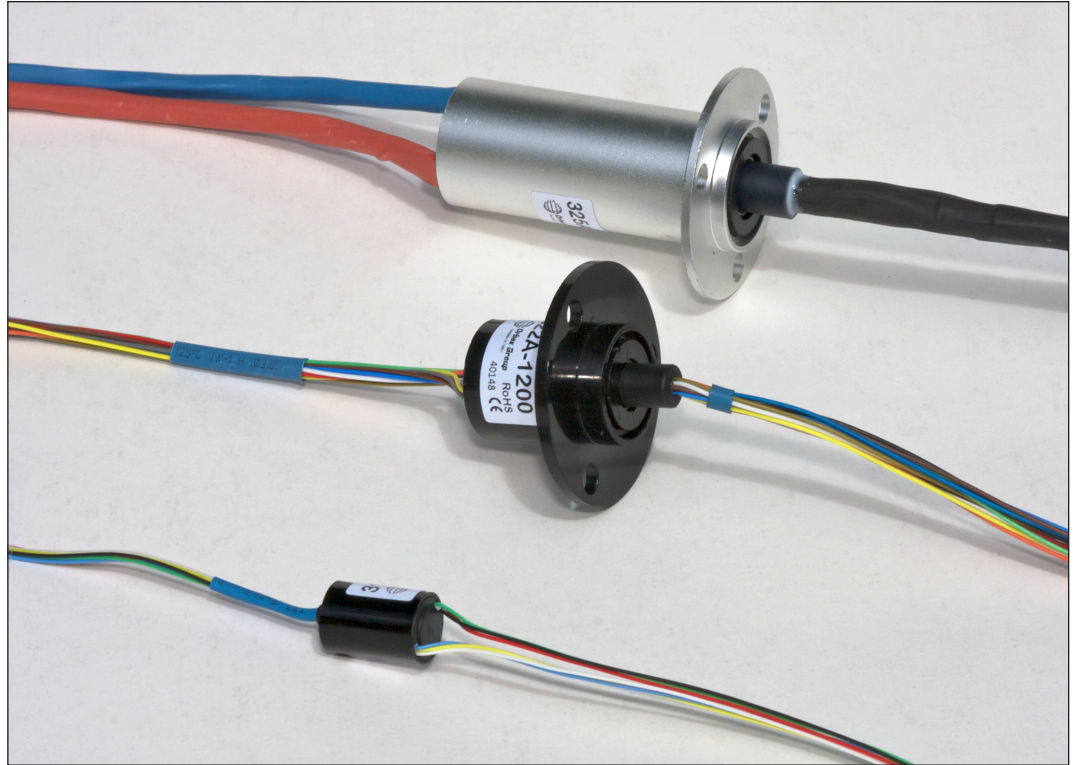




Revolution In Motion

MOD-TRONIC
INSTRUMENTS LIMITED



- Compact Size
- Low Friction
- Long Life
- High Reliability
- Quick Delivery
- Low Cost
- Easily Customizable
- CE and RoHS Compliant

Miniature Slip Rings

MTM Series

MOD-TRONIC
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www.mod-tronic.com | sales@mod-tronic.com | 1-800-794-5883



MTM Series Slip Rings

Slip rings are commonly used to transfer electrical signals and power to a rotating shaft.

The MTM series is ideally suited to applications where signals and power need to be transmitted in a compact space.

By using a small rotor diameter, surface speeds are minimized. This allows for minimal imbalance which translates into long life. The use of gold on gold contacts assures long life, low noise, minimal interference between circuits, and low contact resistance.

Slip rings can be ordered with low current signal circuits, high current power circuits, or a mix of the two. Configurations start at 2 circuits and extend through 56 circuits in the standard 300 series offering.

Common Applications

- CCTV cameras
- Medical Equipment
- Point of Sale Displays
- Robotics
- Rotating Lights
- CMM Machines
- Down Hole Inspection
- Packaging Machinery
- Communications Equipment

Specifications	
Voltage	240 V _{DC} /240 V _{AC}
Cables	Silver plate-PTFE insulation, color coded 2A: AWG26 or AWG28 6A: AWG20 10A: AWG16
Cable Length	250 mm standard (custom lengths available)
Dielectric Strength	500 V _{AC} at 60 Hz.
Insulation Resistance	> 1000 MΩ/500 V _{DC}
Dynamic Contact Resistance	<10 mΩ
Nominal Speed	250 RPM (ask us for higher speed ratings)
Temperature	-20 to +80°C standard -40 to + 85°C optional
Bearings	Miniature, precision steel bearings
Contact	Gold to Gold
Nominal Life	5-10 million revolutions typical. Longer life versions available as specials (speed and environment dependant)
Protection	IP 51 standard (IP65 available for some sizes)



300 Series Miniature Slip Rings

Part Number	2A	6A	10A	Body Diameter	Length L	Housing
MTM3-2A-Mx-12	3			12.4	14	ABS plastic
MTM6-2A-Mx-12	6			12.4	14	ABS plastic
MTM12-2A-Mx-12	12			12.4	19.5	ABS plastic
MTM18-2A-Mx-12	18			12.4	23	ABS plastic
MTM6-2A-Mx-18	6			18	15.9	ABS plastic
MTM12-2A-Mx-18	12			18	23.7	ABS plastic
MTM14-2A-Mx-18	14			18	25.5	ABS plastic
MTM18-2A-Mx-18	18			18	31.5	ABS plastic
MTM6-2A-Mx-22	6			22	19	ABS plastic
MTM12-2A-Mx-22	12			22	28	ABS plastic
MTM4-2A/6A-MX-22	2	2		22	28	ABS plastic
MTM18-2A-Mx-22	18			22	33.4	ABS plastic
MTM3-10A-Mx-22			3	22	33.4	ABS plastic
MTM24-2A-Mx-22	24			22	41.2	ABS plastic
MTM12-2A/6A-Mx-22	8	4		22	41.2	ABS plastic
MTM30-2A-M1-25	30			25	51.7	Aluminum
MTM22-2A/6A-M1-25	18	4		25	51.7	Aluminum
MTM18-2A/10A-M1-25	15		3	25	51.7	Aluminum
MTM36-2A-M1-25	36			25	59.5	Aluminum
MTM20-2A/10A-M1-25	16		4	25	59.5	Aluminum
MTM28-2A/6A-M1-25	24	4		25	59.5	Aluminum
MTM46-2A-M1-25	46			25	72.5	Aluminum
MTM56-2A-M1-25	56			25	85.5	Aluminum
MTM48-2A/6A-M1-25	44	4		25	85.5	Aluminum
MTM40-2A/10A-M1-25	36		4	25	85.5	Aluminum

x Denotes Flange Type. See drawings for details.

Please contact us for standard options, including:

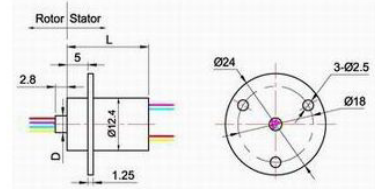
- IP65 sealed housing
- Extended Life options
- Custom Connectors
- Coaxial Cable (RG175/179)



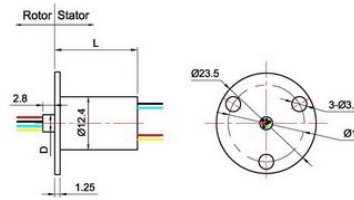
Model 312



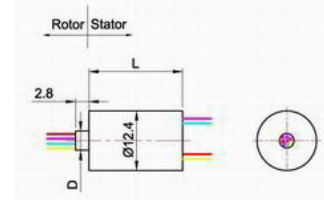
Model 312M3 Pictured



Dimensions of 312M1



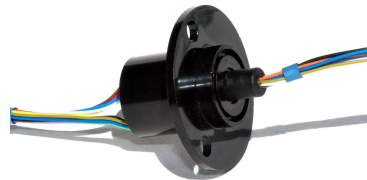
Dimensions of 312M2



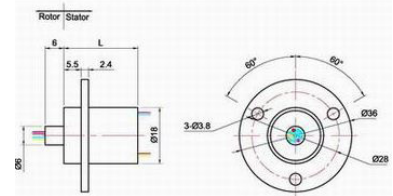
Dimensions of 312M3

D=5mm for 1800 units. D=4mm for all others

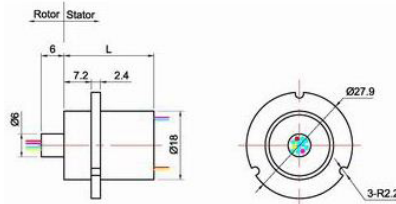
Model 318



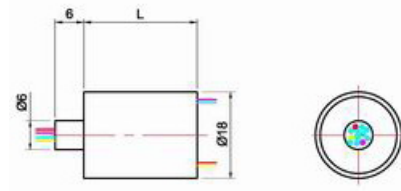
Model 318M1 Pictured



Dimensions of 318M1



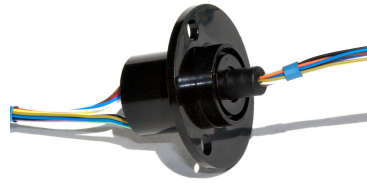
Dimensions of 318M2



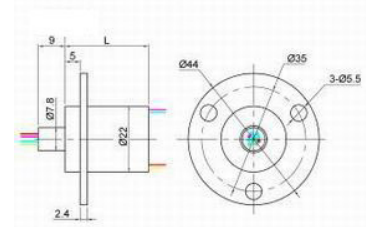
Dimensions of 318M3



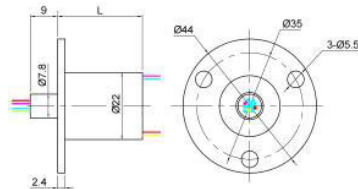
Model 322



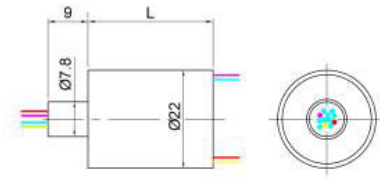
Model 322M1 Pictured



Dimensions of 322M1

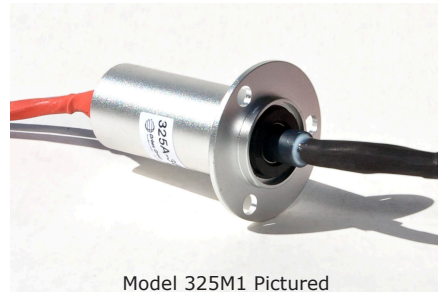


Dimensions of 322M2

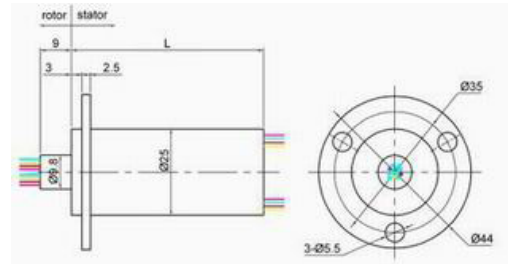


Dimensions of 322M3

Model 325



Model 325M1 Pictured



Dimensions of 325M1

Dimensions in mm

Contact us for CAD files and solid models