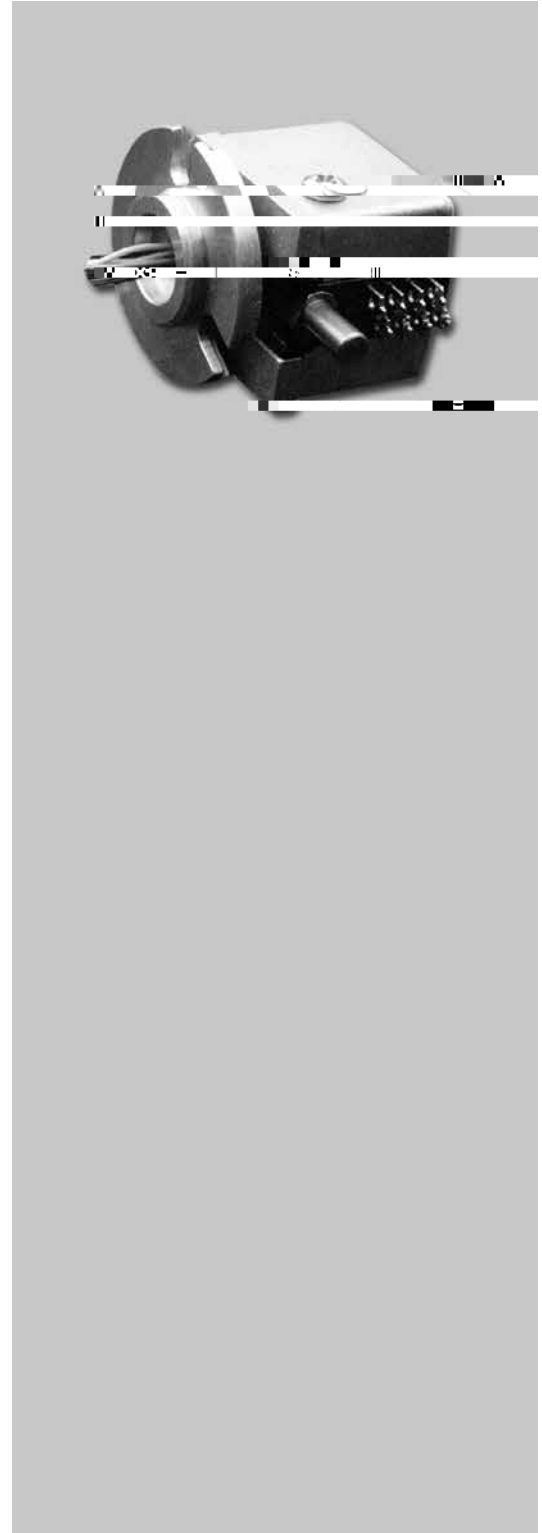


High speed

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transmitting power and / or data from a stationary to a rotating structure. A slip ring is also called a rotary electrical interface, collector, swivel or rotary joint. A slip ring can improve system performance by simplifying operations and eliminating damage-prone wires dangling from moving joints.

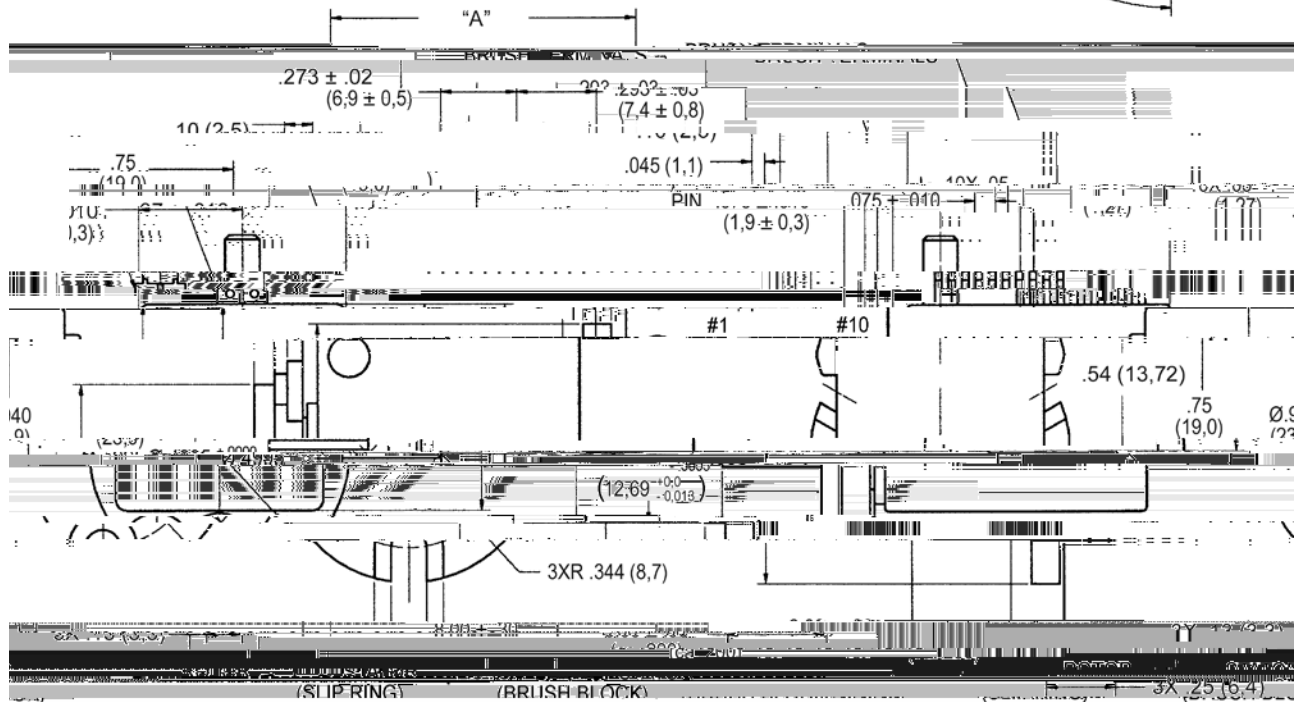
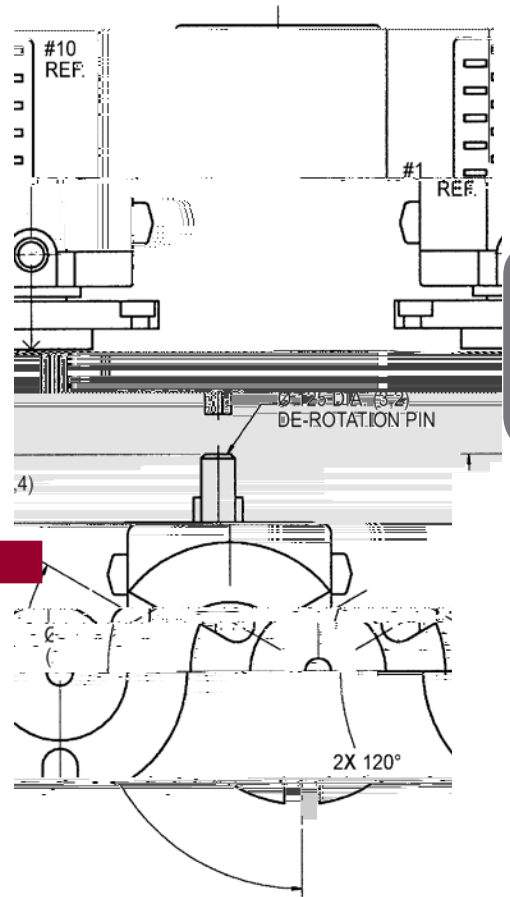
The EC3848 features precious metal brushes and rings. Flying lead wires on the rotating side and solder terminals on the stator side complete the electrical connections. Precision ball bearings and the patented fiber brush design allow operation up to 10,000 rpm without the need for cooling equipment. Fiber brush technology offers several



Specifications	
Operating Speed	0 - 10,000 rpm*
Number of Rings	Up to 10 (2, 6, 8 and 10)
Electrical Connections	30 (19 / 42) AWG leads on rotor Solder terminals on stator
Voltage	Low millivolt range to 100 VDC
Maximum Ambient Temperature	50°C (120°F) over 1,000 rpm 80°C (175°F) up to 1,000 rpm
Contact Material	Precious metal
Current Rating	1.0 amps maximum per ring
Electrical Noise	20 m at 5 rpm 6 VDC, 50 mA current
Cooling	Not required

* Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature.

Ring #	Color	Ring #	Color
1	BLK	6	GRN
2	BRN	7	BLU
3	RED	8	VIO
4	ORN	9	GRY
5	YEL	10	WHT



Dimensions in inches (millimeters)

EC3848-10 outline shown (other models available upon request)