Separates

AC2690 – slip ring AC259 - brush block Miniature Slip Ring Separate Assemblies

Description

Sometimes a self-contained "capsule" slip ring is not practical due to system size constraints or cost limitations. We can provide the slip ring (rotor) and brush block (stator) as separate components to be mated by the customer in their system. The rotor is supplied in a drum configuration which features consecutive individual rings along the axis of rotation. Miniature separates may have slip ring rotor diameters less than 0.100 inch.

Aslipring can be used in any electromechanical system that requires unrestrained, intermittent or continuous rotation while transmitting power and / or data. It can improve mechanical performance, simplify system operation and eliminate damage-prone wires dangling from movable joints.

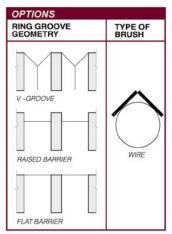
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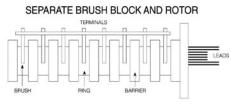
Slip Ring

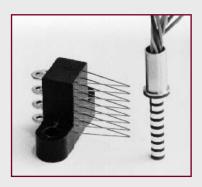
- Raised barrier (.110 diameter)
- V-groove (90°) in each ring

Brush Block

- · Flying leads
- · Gold or tin plated terminals







Typical Applications

- Instrumentation
- · Displays and avionics
- Testing and measuring
- · Custom machinery
- · OEM machinery
- · Missile weapon systems
- · Rate javelin

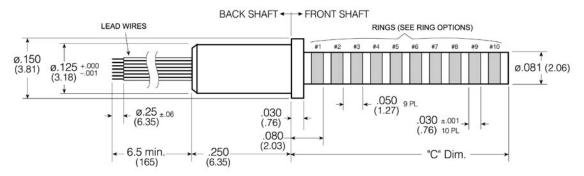
Slip Ring Separate: AC2690

Materials:

- · Contact surface 24K nickel hardened gold
- · Backshaft 303 stainless steel
- Leads #30 AWG silver plated copper, Teflon® insulated
- Dielectric plastic (mineral filled epoxy)
- A voltage of 1000V RMS 60Hz shall be applied between all circuits for a period of 10 seconds without breakdown

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Part Number	Number of Circuits	Dimension "C"	Lead Color	l Wire Codes
AC2690-1	1	0.100 (2.54 mm)	#1	Brown
AC2690-2	2	0.150 (3.81)	#2	Red
AC2690-3	3	0.200 (5.08)	#3	Orange
AC2690-4	4	0.250 (6.35)	#4	Yellow
AC2690-5	5	0.300 (7.62)	#5	Green
AC2690-6	6	0.350 (8.89)	#6	Blue
AC2690-7	7	0.400 (10.16)	#7	Violet
AC2690-8	8	0.450 (11.43)	#8	Gray
AC2690-9	9	0.500 (12.7)	#9	White
AC2690-10	10	0.550 (13.97)	#10	Black

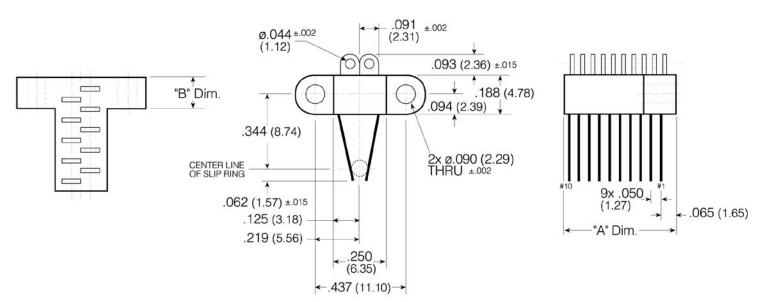


Brush Block Separate: AC259

Materials:

- Brushes palladium alloy (ASTM B540) (.007 dia.)
- · Plastic polyester
- Terminals .015 thick brass, silver (gold or tin optional) plated
- · Flying leads optional
- A voltage of 1000V RMS 60Hz shall be applied between all circuits for a period of 10 seconds without breakdown
- Brush contact pressure approx. 5 grams when positioned on .081 dia. ring (AC2690-)

Part Number	Number of Circuits	Dimension "A"	Dimension "B"
AC259-1	1	0.100 (2.54 mm)	0.100 (2.54 mm)
AC259-2	2	0.140 (3.56)	0.140 (3.56)
AC259-3	3	0.190 (4.83)	0.156 (3.96)
AC259-4	4	0.240 (6.10)	0.156 (3.96)
AC259-5	5	0.290 (7.37)	0.156 (3.96)
AC259-6	6	0.340 (8.64)	0.156 (3.96)
AC259-7	7	0.390 (9.91)	0.156 (3.96)
AC259-8	8	0.440 (11.18)	0.156 (3.96)
AC259-9	9	0.490 (12.45)	0.156 (3.96)
AC259-10	10	0.540 (13.72)	0.156 (3.96)



Dimensions are in inches (millimeters)