Slip Rings With Through-Bores

SRA-73683

1/2 inch through-bore miniature slip ring capsule

Description

A slip ring capsule can be used in any electromechanical system that requires unrestrained, intermittent or continuous rotation while transferring power and / or data. A slip ring is also called a rotary electrical joint, collector, commutator or swivel. A slip ring can improve system performance by simplifying operations and eliminating damage prone wires.

The SRA-73683 provides an economical, readily available solution when a compact through-bore configuration is required. This unit provides a 1/2 inch through-bore for shaft mounting, a compact 1.375 inch outside diameter and a very short overall length for minimal space applications. The SRA-73683 provides 2 amp circuits in 6, 12, 18 and 24 ring configurations.

Features

- 1/2 inch through-bore
- Compact 1.375 inch outside diameter
- · Speeds up to 120 rpm continuous
- · Continuous rotation of power and / or data signals

Benefits

- Transfers power, as well as analog and digital signals
- · Compatible with data bus protocols
- · Compact packaging



Typical Applications

- · Precision rotary equipment
- · Semiconductor handling systems
- Robotics
- Camera systems

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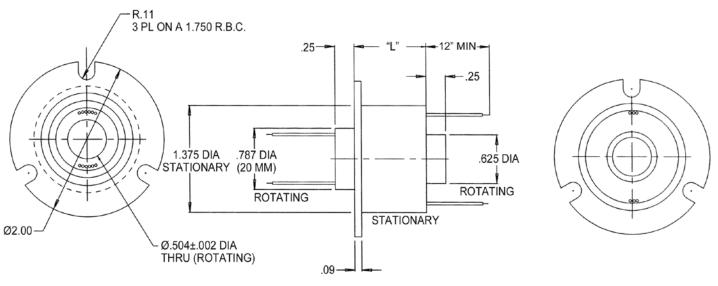
SRA-73683 Specifications			
Operating Speed	120 rpm* continuous		
Number of Circuits	6, 12, 18, 24		
Lead Length	12, 24, 36 and 48 inches		
Lead Size / Type	#26 AWG, Teflon® insulated, stranded		
Voltage	210 VAC		
Operating Temp.	-40°C to +80°C		
Contact Material	Gold		
Current Rating	2 A, per ring, max.		
Electrical Noise	40 milliohm max. @ max. speed		

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

Wire Color Code				
Ring #	Color	Ring #	Color	
1	BLK	13	WHT-RED	
2	BRN	14	WHT-ORN	
3	RED	15	WHT-YEL	
4	ORN	16	WHT-GRN	
5	YEL	17	WHT-BLU	
6	GRN	18	WHT-VIO	
7	BLU	19	WHT-GRY	
8	VIO	20	WHT-BLK-BRN	
9	GRY	21	WHT-BLK-RED	
10	WHT	22	WHT-BLK-ORN	
11	WHT-BLK	23	WHT-BLK-YEL	
12	WHT-BRN	24	WHT-BLK-GRN	

Part Number	Length "L"	Ring Qty.
SRA-73683-6	.82 inch (20,83 mm)	6
SRA-73683-12	1.12 inch (28,45 mm)	12
SRA-73683-18	1.42 inch (36,07 mm)	18
SRA-73683-24	1.72 inch (43,69 mm)	24

SRA-73683 Dimensions



Dimensions in inches