

## Description

The SR0120 is an electrical slip ring and rotary union combined unit. The slip ring transmits digital data signals (Ethernet, Profinet, etc.) and AC or DC electrical power in the same unit. The slip ring can accomplish this without any loss of data integrity. Separate M12 electrical connectors for the signal and power channels are mounted to the slip ring. The rotary union is a reliable, mechanical seal design that transmits compressed air and can be separated from the slip ring. The SR0120 is well suited for rotary table applications that incorporate motors, I/O devices, air sensing and pneumatic clamping on the table. This unit can be mounted above or below the rotary table, or horizontally in other applications.

**Part Number:** SR0120  
**Industry:** Multiple  
**Application:** Multiple

### Electrical Features

Electrical Channels	5 power, 5 signal
Voltage, max	480 Vrms power, 250 Vrms signal
Current, max steady state	10 A power, 4 A signal
Data Communication Speed	Up to 100 Mbps
Conductor Ring	Gold Plated Copper Alloy
Brush Contact	Precious Metal Alloy, Polyfilament
Connector, stator	M12, K coded, 5 pin, male M12, D coded, 4 pin, female
Connector, rotor	M12, K coded, 5 pin, female M12, D coded, 4 pin, female

### Mechanical Features

Speed, max	250 RPM
Direction of Rotation	Bi-Directional
IP Rating	IP65
Mounting Orientation	Vertical or Horizontal
Temperature, operating	0°C to +60°C
Temperature, storage	-40°C to +90°C
Material, housing	Anodized Aluminum
Material, rotor	Anodized Aluminum
Material, cover	Anodized Aluminum
Rotary Union	1205-000-003
Media	Air
Pressure, max	150psi / 10 bar

### Versions

<b>SR0120 (standard)</b>	As stated above
SR0120-H	Same as SR0120, but includes mounting hardware
SR0120-HC	Same as SR0120, but includes mounting hardware and mating connectors with cables (3m standard length)



### Electronic Files Available

3D Step  
 2D PDF  
 2D DXF

