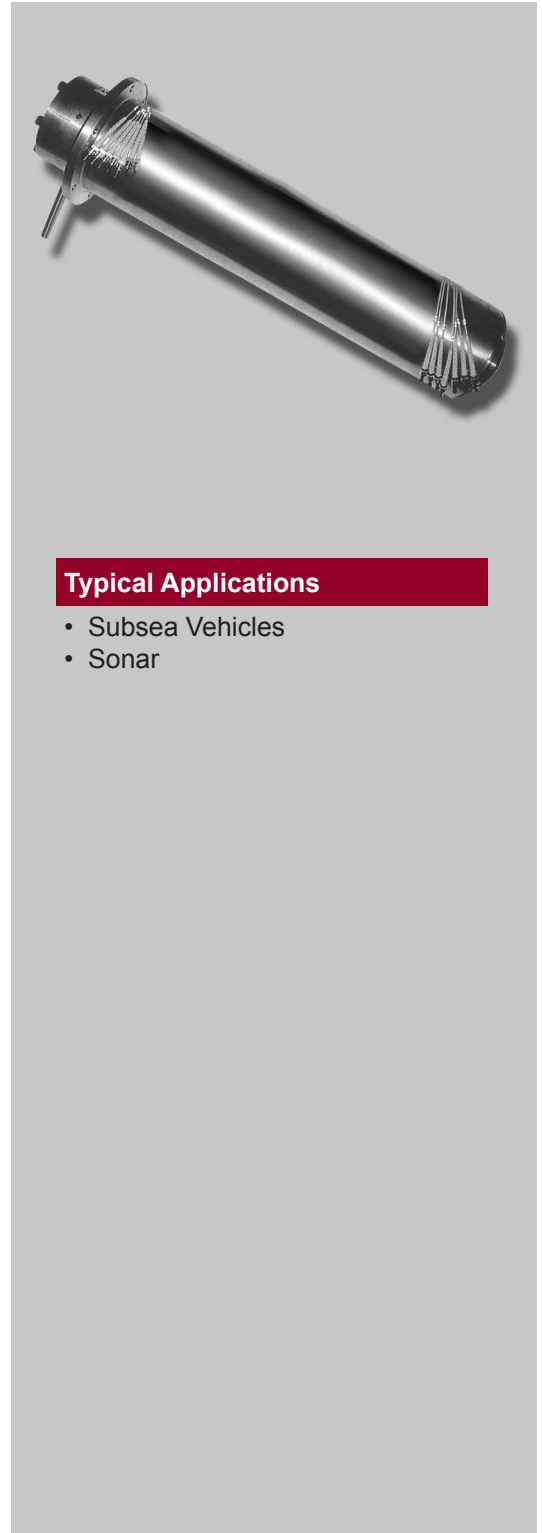


## 7 Channel Fiber Optic Slip Ring

### Description

The Prizm™ Model CK7206 electro-optical slip ring assembly answers the need for an off-the-shelf product using proven high reliability components. The seven channel singlemode fiber optic slip ring is the first of it's kind.

The brush technology used on the power and signal rings allows for extended operating life. Standardized configuration allows Moog to stock slip rings for quick access by customers.



### Typical Applications

- Subsea Vehicles
- Sonar

**PRIZM™**

**MOOG**  
COMPONENTS GROUP

# Fiber Optic Rotary Joints and Slip Rings

## Specifications

Fiber Optic Rotary Joint	
Optical Passes	Seven singlemode or multimode
Dead Spot	None
Direction	Bidirectional
Attenuation	< 4 db for any pass
Variation and Rotation	< 1 db
Power Rings	
Standard Configuration	20 rings (5 sets of 4 rings)
Working Voltage	5,000 volts @ 20 Amps maximum
Units Currently In Use	200+
Electronic Noise	Low (less than 10 milliohms when revolving)
Lubrication Required	Brushes are self-cleaning, self-lubricating
Maintenance Required	No periodic maintenance required
Wear Debris Created	< 1 / 100th of composite brush slip rings
Ring Surface Material	Gold alloy
Brush	Fiber brush
Brush Material	Gold alloy
Single Rings	
Standard Configuration	6 rings (for 3 twisted pair)
Electrical Specification	600 volts @ 10 Amps maximum
Electronic Noise	Low (Less than 10 milliohms when revolving)
Units Currently In Use	12,000+
Lubrication Required	Brushes are self-cleaning, self-lubricating
Maintenance Required	No periodic maintenance required
Wear Debris Created	< 1 / 100th of composite brush slip rings
Ring Surface Material	Gold alloy
Brush	Fiber alloy
Brush Material	Gold alloy
Mechanical Specifications	
Housing Size	5.65 in. (143 mm) diameter by 27 in. (686 mm) long
Weight	60 lbs
Maximum RPM	60 rpm
Material	316 stainless steel
Flange	Industry common bolt pattern

24 / 7 Technical Customer Support  
 Hotline: 610-605-6101

Specifications and information are subject to change without prior notice.  
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